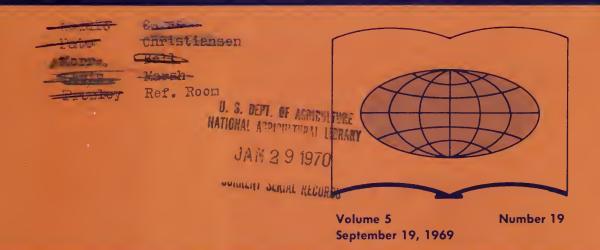
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Pesticides Documentation BULLETIN





U.S. DEPARTMENT OF AGRICULTURE

PESTICIDES DOCUMENTATION BULLETIN

A Bi-Weekly Publication of U.S. Department of Agriculture

OBJECTIVES AND SCOPE

The Pesticides Documentation Bulletin is compiled by the National Agricultural Library's Pesticides Information Center to facilitate national research efforts in all aspects of pest control. This bi-weekly index to the literature includes coverage of diseases, insects, nematodes, parasites, weeds and other pests affecting plants, animals, man, our natural resources and other values in man's environment. Special emphasis is given to the literature on toxicological, physiological and epidemiological aspects of pests and their control by chemical biological and integrated methods.

For broader coverage of literature on agriculture and related subjects, please consult the *Bibliography of Agriculture*, a monthly publication of the National Agricultural Library.

FORMAT

The *Bulletin* is a categorized bibliography, with citations arranged alphabetically by author under the following major subjects:

- 10 Entomology
- 20 Crop Protection
- 30 Livestock Protection
- 40 Commodity Protection
- 50 Environmental Contamination
- 55 Residues
- 60 Toxicology
- 65 Plant Physiology & Biochemistry
- 70 Chemistry
- 80 Engineering
- 90 Industry

Citations: Each citation consists of an accession number assigned serially with the last two digits representing the Bulletin's issue year, i.e. 3286-67. The citation number (minus the year) is used in all indices. Following the accession number is the full title of the article; all personal authors; an abbreviated journal title; volume, issue and inclusive page numbers; date of publication; language abbreviation, if other than English; and the National Agricultural Library's call number. Subject descriptors, patent or grant numbers, bibliographer's notes, and abstracts or extracts may follow each citation when appropriate.

Subject Index: Subject descriptors appear in the index followed by title arranged numerically by accession number. The Agricultural/Biological Vocabulary developed by the National Agricultural Library is used as a basic thesaurus of descriptors.

Biographical Index: Names of first authors are arranged alphabetically, followed by organizational affiliation and accession number.

Author Index: Names of personal authors are arranged alphabetically, followed by accession numbers of pertinent citations.

Organizational Index: Names of corporate authors or sponsoring organizations are arranged alphabetically followed by accession numbers of pertinent citations.

Other Files

In addition to the citations contained in the Bulletin, the Pesticides Information Center maintains two other files, the INTREDIS Register and the Herbicides Data File.

The INTREDIS Register is a computer data bank in the field of forest pathology. It contains title and author references to abstracted articles including subject, country, host plant genus or species, organisms causing the diseases, abstracting journal and year of publication. The computer search uses boolean parameters in any combination of elements listed.

The Herbicides Data File consists of reports on field tests conducted by the Crops Protection Research Branch, Crop Research Division, Agriculture Research Service. Each test record contains the following items of information:

Compound Tested

Company furnishing the compound

Author or Investigator

Test Sponsor

Date

Location

Mode of Application

Rates of Application

Soil Types

Carriers

Crops or Weeds tested with phytotoxicity ratings

Associated documentation

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ACKNOWLEDGMENT

The Pesticides Information Center, National Agricultural Library, gratefully acknowledges the cooperation and assistance of the Department of Defense; Health, Education, and Welfare; and Interior; the Federal Committee on Pest Control, and state and industrial organizations in the development of the Center and preparation of this Bulletin. Special thanks are expressed to the Federal Committee on Pest Control for its suggestions and support. We hope the Bulletin will serve as an example of the effectiveness of interdepartmental cooperation and the speed with which effective services can be developed through a coordinated and cooperative interdepartmental effort.

Use of funds for printing this publication approved by the Director of the Bureau of the Budget (May 23, 1968).

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This publication reports research involving pesticides. It does not contain recommendations for their use, nor does it imply that the uses discussed here have been registered. All uses of pesticides must be registered by appropriate State and/or Federal agencies before they can be recommended.

CAUTION: Pesticides can be injurious to humans, domestic animals, desirable plants, and fish or other wildlife—if they are not handled or applied properly. Use all pesticides selectively and carefully. Follow recommended practices for the disposal of surplus pesticides and pesticide containers.

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^{*}This issue does not contain citations under this category.



ENTOMOLOGY

11100-69

A CONTRIBUTION CONCERNING THE DOCU-MENTATION IN AN ENTOMOLOGICAL LIBRARY. (DU)

J J Meurer

Entomol Ber 29(3):42-43

01 Mar 1969 420 N38B

Classification, Entomology, Literature. English abstract.

SYSTEMATICS

11101-69

THE CHRYSOMELIDAE, COLEOPTERA OF PAKISTAN. PART III. A KEY TO THE GENERA AND SPECIES OF THE GALERUCINAE, WITH DESCRIPTIONS OF NEW GENERA AND SPECIES.

M Abdullah S S Qureshi

Pakistan J Sci Indus Res 11(4):396-414

Oct 1968 475 P174

Chrysomclidae, Insect taxonomy, Surveys.

11102-69

A KEY TO THE SPECIES OF THE ANOMALINI (RUTELINAE) OF PAKISTAN WITH REDESCRIPTION OF MIMELA HORSEFIELDI HOPE (COLEOPTERA: SCARABAEIDAE).

M Abdullah R A Roohi

Pakistan J Sci Indus Res 11(4):441-445

Oct 1968 475 P174

Insect taxonomy, Scarabaeidae.

11103-69

UNDESCRIBED SPECIES OF NEARCTIC TIPULIDAE (DIPTERA), X.

C P Alexander

Great Basin Natur 29(1):1-10

28 Mar 1969 410 G79

Insect geography, Insect taxonomy, Tipulidae.

11104-69

SYRPHIDAE COLLECTED MOSTLY IN SOUTHERN AREAS OF THE OKANAGAN VALLEY, BRITISH COLUMBIA.

D A Allan

Entornol Soc Brit Columbia Proc 66:19-21

01 Aug 1969 420 B77

Insect taxonomy, Syrphidae, Zoogeography.

11105-69

HAEMOGAMASID MITES OF EASTERN ASIA AND THE WESTERN PACIFIC WITH A KEY TO THE SPECIES.

D M Allred

J Med Entomol 6(2):103-119 REF

May 1969 421 J828

Acarina, Insect taxonomy, Laelapidae, Mammals, Mesostigmata.

Distribution and host records are given for 4 species of Eulaelaps and 29 species of Haemogamasus from mammals of 20 countries and islands. Described as new is H. suncus from0nepal.

11106-69

FIELD NOTES AND SUBSPECIFIC STATUS OF OENEIS MELISSA (SATYRIDAE) 1N NORTHERN QUEBEC.

G S Anthony

Lepidopterists Soc J 23(2):103-104

29 May 1969 421 L554

Insect names, Insect taxonomy, Satyridae, Surveys.

11107-69

STORAGE AND RETRIEVAL OF INFORMATION FROM INSECT SPECIMENS.

R H Arnett

Entomol News (philadelphia) 80(8):197-205

Aug 1969 421 EN88

Insect taxonomy, Literature.

11108-69

A NEW TUNGA (SIPHONAPTERA) FROM THE NEARCTIC REGION WITH DESCRIPTION OF ALL STAGES.

A M Barnes F J Radovsky

J Med Entomol 6(1):19-36 REF

30 Jan 1969 421 J828

Insect morphology, Insect taxonomy, Medical entomology, Nearctic Region, Siphonaptera, Tunga.

11109-69

THE BUPRESTIDAE AND CLERIDAE OF THE NEVADA TEST SITE (COLEOPTERA).

W F Barr

Great Basin Natur 29(1):11-19

28 Mar 1969 410 G79

Buprestidae, Catalogs, Cleridae, Insect geography, Insect taxonomy.

11110-69

THE CONCEPT OF GENUS IN THE FAMILY CHIRONOMIDAE.

W M Beck E C Beck

Ann Zool Fenn 5(1):14-16 REF

1968 410 AN712

Chironomidae, Insect taxonomy.

11111-69

STUDIES ON INDIAN MITES (ACARINA: MESOSTIGMATA). 7. SIX SPECIES FOUND UNDER BARK IN NORTH EAST FRONTIER AGENCY.

S K Bhattacharyya

Zool Jahrbucher Abt Syst Okol Geogr Tiere 96(1):69-80 REF

1969 410 Z751S

Insect taxonomy, Mesostigmata, Trees.

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LIOTHRIPS PRIESNERI SP. N., A SERIOUS PEST OF AVOCADO IN GUATEMALA.

F A Bianchi

Hawaii Entornol Soc Proc 20(1):21-24

Jun 1968 420 H312

Avocados, Insect taxonomy, Liothrips.

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NINE NEW TROPICAL SPECIES OF THE GENUS PEDIASIA HBN. (LEPIDOPTERA, PYRALIDAE) (CRAMBINAE STUDIES, PART 47). (GE

S Bleszynski

Entomol Z 79(12):125-135

16 Jun 1969 421 EN85

 $In sect\ taxonomy, Pyralidae, Zoogeography.$

11114-69

CYTOTAXONOMIC STUDIES OF SCIO-MYZIDAE (DIPTERA: ACALYPTRATAE). J W Boyes L V Knutson K Y Jan C O Berg

Amer Microscop Soc Trans 88(3):331-355 REF Jul 1969 440.9 AM33

Chromosomes, Cytology, Insect genetics, Insect taxonomy, Sciomyzidae.

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AN ANNOTATED LIST OF THE DERMAPTERA, DICTYOPTERA, PHASMATOPTERA, AND ORTHOPTERA OF MICHIGAN.

I J Cantrall

Mich Entornol 1(9):299-346 MAP REF

Dec 1968 QL461.M5

Dermaptera, Insect identification, Insect survey, Insect taxonomy, Orthoptera, Zoogcography.

11116-69

PTERONYSSUS MONOPLAX, A NEW SPECIES OF FOWL MITE (AVENZOARIIDAE, SARCOPTIFORMES). (FR)

V Cerny

Acarologia 11(2):290-294

Jul 1969 434.8 AC1

Birds, Insect taxonomy, Sarcoptiformes.

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Y Coineau

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Acarina, Insect taxonomy. German abstract.

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A SYNOPSIS OF THE SCATOPSIDAE OF THE PALAEARCTIC. PART. I. RHEGMOCLE-MATINI.

E F Cook

Ann Mag Natur Hist 3(3, JUL-SEP):393-407

Sep 1969 410 AN77

Insect taxonomy, Scatopsidae.

11119-69

THE NYMPH OF AMPHIAGRION ABBREVIATUM.

P P Cook A L Antonelli

Entomol Soc Amer Ann 62(2):264-266

Mar 1969 420 EN82

Insect ecology, Insect taxonomy, Nymphs, Odonata.

11120-69

NEW DERMANYSSID MITES (ACARI: MESOSTIGMATA) FROM NESTS OF SPALAX EHRENBERGI NEHRING.

M Costa

Acarologia 11(2):163-174

Jul 1969 434.8 AC1

Insect taxonomy, Mites, Parasitic insects, Rats.

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CONTRIBUTION TO THE KNOWLEDGE OF THE GENUS SAPRINUS (COL., HISTERIDAE)

III. (GE)
G Dahlgren

Entornol Tidskr 89(3-4):255-268

21 D - 1069 421 EN901

31 Dec 1968 421 EN891 Catalogs, Histeridae, Insect geography, Insect taxonomy.

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THE CARABID BEETLES OF NEW GUINEA PART III. HARPALINAE (CONTINUED): PERIGONINI TO PSEUDOMORPHINI.

P J Darlington

Harvard Univ Mus Compar Zool Bull 137(1):1-

30 Jul 1968 500 H26B

Carabidae, Insect taxonomy, Zoogeography.

11123-69

A NOTE ON CUTICULAR LOBES OF TETRANYCHUS MARIANAE MCGREGOR (ACARINA: TETRANYCHIDAE) FROM PAPUA.

Entomol Soc Australia (nsw) J 8(1):112

30 Jun 1969 423.92 EN84

Cuticle, Insect identification, Insect morphology, Insect taxonomy, Tetranychus marianae.

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SOME TYPE SPECIMENS OF PHILIPPINE DIP-TERA DESCRIBED BY M. BEZZI IN THE MUSEO CIVICO DI STORIA NATURALE, MILANO.

M D Delfinado

Pacific Insects 11(1):165-173

20 Feb 1969 421 P11

Diptera, Insect taxonomy, Reviews.

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Z Dolezil R Rozkosny Acta Ent Bohemoslov 64(3):219-223

1967 420 C33

Eristalis stackclbergi, Insect taxonomy, Syrphidae. Czech abstract.

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R Domrow

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Dermanyssidae, Inseet taxonomy.

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THE DISTRIBUTION OF THE FIELD CRICKET (GRYLLUS CAMPESTRIS L., ORTHOPTERA) IN THE NETHERLANDS. (GE)

M Duijm

Entomol Ber 29(2):27-33 MAP REF

01 Feb 1969 420 N38B

Gryllus, Zoogeography. English abstract.

REVISION OF THE CENTRAL EUROPEAN SPECIES OF THE STRATIOMYIDAE (DIPTERA) FAMILY WITH SPECIAL CONSIDERA-TION OF THE FAUNA OF THE CSSR, IV. (GE) J Dusek R Rozkosny

Acta Ent Bohemoslov 64(2):140-165

1967 420 C33

Diptera, Inseet taxonomy, Stratiomyidae, Zoogeography. Czeeh abstraet.

11129-69

NEW SPECIES OF THE GENUS TETRANYCOPSIS CANESTRINI FROM JAPAN (ACARINA: TETRANYCHIDAE).

S Ehara H Mori

Annot Zool Jap 42(1):45-48

Mar 1969 410 AN79

Insect taxonomy, Tetranychidae.

11130-69

A NEW SPECIES OF PLEGADIPHILUS (MAL-LOPHAGA, MENOPONIDAE) FROM THE CAYENNE IBIS.

K C Emerson R D Price Fla Entomol 52(3):161-163

Sep 1969 420 F662

Birds, Insect taxonomy, Mallophaga, Plegadiphilus.

REVISION OF THE GENUS XANTHESMA MICHENER (APOIDEA: COLLETIDAE).

E M Exley

Australian J Zool 17(3):515-526

Jul 1969 410 AU73 Colletidae, Inseet taxonomy.

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ARGOHESMA--A NEW GENUS OF AUS-TRALIAN BEES (APOIDEA: COLLETIDAE).

E M Exley

Australian J Zool 17(3):527-534

Jul 1969 410 AU73

Colletidae, Inseet taxonomy.

11133-69

DESTRUCTIVE NEST MITES IN AFRICA SOUTH OF THE SAHARA. V. DESCRIPTION OF THE LIFE CYCLE AND TWO SPECIES OF ACARINA OF THE GENUS RODENTOPUS FAIN, 1965 (SARCOPTIFORMES: GLY-CYPHAGIDAE). (FR)

A Fain

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Jul 1969 434.8 AC1

Insect taxonomy, Sareoptiformes.

STUDIES OF BLACK FLIES OF PANAMA (BIP-TERA: SIMULIIDAE). IV. A NEW SPECIES OF SIMULIIDAE.

G Field

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Mar 1969 420 EN82

Insect taxonomy, Simuliidae.

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BEETLE, (ETROPIUM VELUTINUM LECONTE (COLEOPTERA: CERAMBYCIDAE).

T Finlayson

Entomol Soc Brit Columbia Proc 66:62-65

01 Aug 1969 420 B77

Braeonidae, Cerambyeidae, Iehneumonidae, Inseet taxonomy, Larvae, Parasitic inseets, Tetropium velutinum

11136-69

TWO NEW SPECIES OF LITHOPHANE FROM CALIFORNIA (NOCTUIDAE, CUCULLIINAE).

J G Franelemont Lepidopterists Soc J 23(1):10-14

1969 421 L554

Cueulliinae, Inseet identification, Insect taxonomy, Lithophane.

JAMACERUS AND OPTOCERUS, TWO NEW GENERA OF CENTRAL AMERICAN AND JAMAICAN IDIOCERINAE.

Entomol Soc Amer Ann 62(2):348-353

Mar 1969 420 EN82

Cieadellidae, Inseet taxonomy, Zoogeography.

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F J Gay

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30 Jun 1969 423.92 EN84

Insect names, Insect taxonomy, Termites, Ter-

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Entomol Ber 29(3):45-48

01 Mar 1969 420 N38B

Insect taxonomy, Neuroptera, Surveys, Trichoptera. English abstract.

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D C Geijskes

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01 Nov 1968 420 N38B

Mecoptera, Neuroptera, Surveys, Trichoptera. English abstract.

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W G Genung F W Mead Fla Entomol 52(3):165-170

Sep 1969 420 F662

Cicadellidae, Grasses, Pastures, Population, Surveys.

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SYRPHIDAE IN 1967. (DU)

V S van der Goot J A W Lucas Entomol Ber 28(12):234-236

01 Dec 1968 420 N38B

Surveys, Syrphidae. English abstract.

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Inseet taxonomy, Syrphidae.

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R C Graves A C F Graves

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Araneida, Chelonethida, Fungi, Inseet ecology, Musci, Surveys.

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V Halaskova

Cesk Spolecnosti Zool Vestnik 33(2):115-127

May 1969 410.9 C33

Inseet taxonomy, Mesostigmata, Mites.

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W B Heed D W Crumpaeker L Ehrman Entomol Soc Amer Ann 62(2):388-393 REF

Mar 1969 420 EN82

Chromosomes, Drosophila, Insect ecology, Insect physiology, Insect taxonomy.

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Beitr Entomol 17(3-4):477-508 REF

1967 421 B392

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THE STATUS OF HEMILECANIUM IMBRICANS (GREEN) (HOMOPTERA: COCCOIDEA) IN AFRICA SOUTH OF THE SAHARA.

C J Hodgson

Ann Mag Natur Hist 3(3, JUL-SEP):321-327 Sep 1969 410 AN77

Coccoidea, Insect taxonomy.

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Mar 1969 420 EN82 Hyalomma, Inseet taxonomy, Livestoek.

A LIST OF THE ARMOURED SCALE INSECTS (DIASPIDIDAE) AND THEIR HOSTS IN TASMANIA.

N M Hudson

Roy Soc Tasmania Pap Proc 101:91-95

1967 514 R65 Diaspididae, Inseet taxonomy, Plants, Zoogeog-

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M T James M W MeFadden

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C Johnson

Entomologist (london) 102(1273):145-148

Jun 1969 421 EN8

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W W Kempf W L Brown Rev Brasil Biol 29(1):17-24 Apr 1969 442.8 R326

Formicidae, Insect taxonomy.

11155-69

CHRYSOMELIDAE OF THE **YAEYAMA** GROUP (COLEOPTERA) III.

S Kimoto Esakia (7):69-70 31 Jan 1969 421 ES1

Chrysomelidae, Insect taxonomy.

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S Kimoto Esakia (7):1-68

31 Jan 1969 421 ES1

Chrysomelidae, Insect taxonomy.

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G M Kohls C M Clifford H Hoogstraal

J Med Entomol 6(1):75-78

30 Jan 1969 421 J828

Argasidae, Insect identification, Insect taxonomy, Larvae, Medical entomology, Ornithodoros. Ornithodoros darwini and Ornithodoros galapagensis are described as new species.

STUDIES ON THE GENUS ABGRALLASPIS BALACHOWSKY 1948, (HOMOPTERA, COC-COIDEA, DIASPIDIDAE).

Acta Zool Cracov 14(3):43-85 REF

30 Mar 1969 410 AC86

Abgrallaspis, Diaspididae, Insect names, Insect tax-

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R Kumar

Australian J Zool 17(3):553-606 REF

Jul 1969 410 AU73

Heteroptera, Insect morphology, Insect taxonomy, Reproductive organs.

SECOND SUPPLEMENT TO THE CONTRIBU-TION TO THE LEPIDOPTERAN FAUNA OF THE MIDDLE RHINE AND ADJACENT TERRI-TORY . (GE)

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Insects, Surveys, Zoogeography.

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C A Lanciani

Amer Microscop Soc Trans 88(3):356-365 Jul 1969 440.9 AM33

Aquatic insects, Insect taxonomy, Mites, Parasitic insects.

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1 Lansbury

Ann Mag Natur Hist 3(3,JUL-SEP:433-458

Sep 1969 410 AN77

Insect taxonomy, Notonectidae.

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M Leclercq

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1968 105.1 G285

Insect taxonomy, Muscidae.

TABANIDAE (DIPTERA) OF MOROCCO. IV. IDENTIFICATION OF PANGONIUS HASSANI

M Leclercq

Gembloux Inst Agron Bull Etat Ser Extraordinaire 3(4):703-711 REF

1968 105.1 G285

Insect taxonomy, Tabanidae.

MORPHOLOGICAL AND PHYLOGENIC STU-DIES ON THE LARVAE AND MALE GENITALIA OF THE EAST ASIATIC TIN-GIDAE (HETEROPTERA).

C E Lee

Kyushu Univ Fac Agr J 15(2):137-256 REF Jun 1969 107.6 K995

Insect morphology, Insect taxonomy, Larvae, Reproductive organs, Tingidae.

ON PROBLEMS WITH WEATHER CONDITIONS IN LIGHT TRAP USE. (DU

W J B Leffef

Entomol Ber 29(3):43-44

01 Mar 1969 420 N38B

Insect collecting equipment, Lepidoptera, Light traps, Weather. English abstract.

11167-69

NEOTYPES FOR PHALAENA **ORBONA** HUFNAGEL (LEP.). (GE)

B J Lempke

Entomol Ber 29(2):21

01 Feb 1969 420 N38B

Insect taxonomy, Noctuidae.

11168-69

MODERN **SYSTEMATICS** FOR THE NOTODONTIDAE (LEP.). (DU)

B J Lempke

Entomol Ber 29(3):49-52 01 Mar 1969 420 N38B

Insect taxonomy, Notodontidae. English abstract.

MILLIPEDS FROM JAMAICAN CAVES.

H F Loomis

Fla Entomol 52(3):141-145

Sep 1969 420 F662

Cave fauna, Diplopoda, Insect taxonomy, Surveys.

A RE-DESCRIPTION OF CRYPTOGNATHUS CUCURBITA BERLESE 1916 (ACARI, PROSTIGMATA, CRYPTOGNATHIDAE).

M Luxton D C Lee

Acarologia 11(2):222-226 Jul 1969 434.8 AC1

Acarina, Insect taxonomy, Mites.

THE APHIDIIDAE (HYMENOPTERA) OF FIN-LAND. (GE)

M Mackauer

Soc Fauna Flora Fenn Fauna Fenn (22):40P MAP REF

1968 511 SOL

Aphidiinac, Braconidae, Insect identification, Insect taxonomy, Zoogcography.

THE CYPHOMYIA BICARINATA SPECIES GROUP (DIPTERA: STRATIOMYIDAE).

M W McFadden M T James

Kans Entornol Soc J 42(3):313-320

Jul 1969 420 K13

Insect taxonomy, Stratiomyidae, Zoogeography.

11173-69

NOTES ON LANEELLA BRUNNIPES (SUR-COUF, 1919) (DIPTERA, CALLIPHORIDAE). R P Mello

Rev Brasil Biol 29(2):243-247

Jun 1969 442.8 R326

Calliphoridae, Insect taxonomy. Portuguese abstract.

NEOTROPICAL MIRIDAE: CVII: A DESCRIPTION OF FIVE NEW SPECIES FROM ECUADOR. (POR)

J C de Melo Carvalho I da Penha Gomes Rev Brasil Biol 29(2):225-230 REF

Jun 1969 442.8 R326

Insect taxonomy, Miridae. English abstract.

11175-69

SOME STIGMAEID MITES FROM SOUTH AFRICA (ACARI: TROMBIDIFORMES).

M K P Meyer

Acarologia 11(2):227-271 REF

Jul 1969 434.8 AC1

Insect taxonomy, Trombidiformes, Zoogeography.

AFRICAN GENERA OF ALLODAPINE BEES (HYMENOPTERA: ANTHOPHORIDAE: CERATININI).

C D Michener

Kans Entornol Soc J 42(3):289-293 Jul 1969 420 K13

Anthophorinae, Insect taxonomy.

11177-69 NEW BRAZILIAN HESPERIINAE (LEPIDOP-

TERA, HESPERIIDAE). (POR) O H H Mielke

Rev Brasil Biol 29(1):1-12

Apr 1969 442.8 R326

Hesperiidae, Insect taxonomy. English abstract.

DESCRIPTION OF A NEW SPECIES OF THE GENUS, ACANTHACHRYSON BRUCH, 1921 (COLEOPTERA, CERAMBYCIDAE.

ACHRYSONINI), (POR) M A Monne

Rev Brasil Biol 29(2)279-282

Jun 1969 442.8 R326

Cerambycidae, Insect taxonomy. English abstract.

A REMARKABLE CASE OF ALARY DIMOR-PHISM IN THE ARADIDAE (HENIPTERA) WITH A GENERIC SYNONYMY AND A NEW SPECIES.

G B Monteith

Entomol Soc Australia (nsw) J 8(1):87-94 30 Jun 1969 423.92 EN84

Aradidae, Insect biology, Insect morphology, Insect taxonomy, Wings (insects), Zoogeography.

The genus Zeugocoris Usinger and Matsuda is sunk the genus Zeugocoris Usinger and Matsuda is sunk as a junior synonym of Caecicoris Kormilev since the respective type species, Z. microcerus (Walker) and C. oviventris Kormilev, are found to be dimorphic forms of the one species. The morphological changes associated with wing reduction in the micropterus morph are described and the taxonomic and biological implications of this dimorphism are discussed. Additional distributional and biological data for C. microcerus are presented and C. latus sp. n. is described from New Britain

ENTOMOLOGY

11180-69

11180-69

CONSPICUA SPECIES-GROUP TYPHLODROMINA MUMA 1961.

M. H. Muma H. A. Denmark Entomol Soc Amer Ann 62(2):406-412

Mar 1969 420 EN82

Habitats, Insect taxonomy, Mites, Zoogeography.

RESULTS OF A STUDY OF THE ORDER COLEOPTERA IN OUR COUNTRY. (AL X Murrai

Tirana Inst Larte Shteteror Bujqesise Bul Shken Bujq 22(1):31-46

1968 512 T51

Coleoptera, Insect identification, Insect taxonomy, Zoogcography. French summary.

161 species belonging to 33 families are listed.

11182-69

THE MALES OF TABANUS SPODOPTE-ROIDES. (GE)

N G Olsuf'cv J Moucha M Chvala Angew Parasitol 10(2):124 May 1969 436.8 AN4

Insect taxonomy, Tabanidae, Tabanus.

11183-69

THREE NEW CEPHUS SPECIES FOR THE NETHERLANDS (HYN., CEPHID.). (DU)

S J van Ooststroom Entomol Ber 28(12):239-240 01 Dec 1968 420 N38B

Cephidae, Insect taxonomy. English abstract.

CIDARIA LUCTUATA IN OSTERIESLAND (LEP., GEOMETRIDAE). (GE)

U Paukstadt Entomol Z 79(12):139-140

16 Jun 1969 421 EN85 Geometridae, Zoogeography.

11185-69

DESCRIPTION OF THE MALES OF ACYRTHOSIPHON CALVULUS OSS. (HEM.: HOM.).

J Pettersson

Entomol Tidskr 89(3-4):188-191 31 Dec 1968 421 EN891

Acyrthosiphon, Insect taxonomy.

A REVISION OF THE NEOTROPICAL GENUS DASYSTOLE (LEPIDOPTERA: GEOMETRIDAE).

R W Poole

Kans Entomol Soc J 42(3):276-285

Jul 1969 420 K13

Geometridae, Insect taxonomy.

11187-69

IS RHYACIA SIMULANS REALLY SO RARE (LEP., NOCTUIDAE). (GE

P Pretscher

Entornol Z 79(10):113 16 May 1969 421 EN85

Insect taxonomy, Noctuidae, Rhyacia, Zoogcography.

11188-69

THREE NEW SPECIES OF PSITTACOBROSUS FROM BRAZILIAN PARROTS.

R Price

Entomol Soc Amer Ann 62(2):393-396

Mar 1969 420 EN 82

Insect taxonomy, Parrots. Psittacobrosus. Zoogeography.

A NEW SPECIES OF AMYRSIDEA FROM AN ORIENTAL PATRIDGE (MALLOPHAGA: MENOPONIDAE).

R D Price R E Elbel

Kans Entomol Soc J 42(3):336-338

Jul 1969 420 K13

Birds, Insect taxonomy, Menoponidac, Parasitic insects.

BIBLIOGRAPHY

11190-69

A CONTRIBUTION TO THE NOMENCLATURE OF THE PIESMATIDAE (HETEROPTERA). (GE)

G Proeseler

Beitr Entomol 17(1-2):305-307

1967 421 B392

Heteroptera, Nomenclature, Piesmidae. English and Russian abstracts.

STUDIES ON THE INDIAN SPECIES OF THE GENUS COCCOPHAGUS WESTWOOD, 1883. BR S Rao P S Rai

Ann Mag Natur Hist 3(3,JUL-SEP):381-392 Sep 1969 410 AN77

Coccophagus, Insect taxonomy.

A NEW SPECIES OF THE GENUS ANISOTA (LEP., SATURNIIDAE) IN NORTH AMERICA. (GE)

J C E Riotte

Entomol Z 78(13):141-146

01 Jul 1969 421 EN85

Anisota, Insect taxonomy, Saturniidae.

11193-69

A REDESCRIPTION OF THE MICROTHROM-BIOIINAE OF BOLIVIA, ORIGINALLY DESCRIBED BY J. BOSHELL AND J. A. KERR IN 1942 (ACARI, THROMBIDIIDAE). (1ST PART). (FR)

P Robaux

Paris Mus Nat Hist Natur Bull 39(2, SER 2):293-307

10 Oct 1967 410.9 P213

Insect taxonomy, Mites, Zoogeography.

INJURIOUS INSECTS IN 1967. (DU)

G van Rossem H C Burger C F van de Bund Entomol Ber 28(11):206-210

01 Nov 1968 420 N38B

Insect pests, Surveys. English abstract.

CICADULINA BIPUNCTELLA AND C. CHINAI FROM INDIA. (HEMIPTERA, CICADELLIDAE). R F Ruppel

Kans Entomol Soc J 42(3):257-260

Jul 1969 420 K13

Cicadellidae, Insect taxonomy, Population.

NEW SPECIES AND SUBSPECIES OF THE GENUS CHAETISOTHRIPS FROM THE CARIB-BEAN AND CENTRAL AMERICAN REGION (THYSANOPTERA, THRIPIDAE).

K Sakimura

Fla Entomol 52(3):123-135

Sep 1969 420 F662

Insect taxonomy, Thripidac, Zoogeography.

A PRELIMINARY NOTE ON A REVIEW OF THE GENUS NEURISOTHRIPS, NEW GENUS (THYSANOPTERA: THRIPIDAE).

K Sakimura

Hawaii Entomol Soc Proc 19(3):419-423 Jun 1967 420 H312

Insect taxonomy, Thripidae, Thysanoptera.

NEW SPECIES OF SUBGENERA ISOTHRIPS AND ISOCHAETOTHRIPS FROM OCEANIA AND AUSTRALIA, WITH NOTE ON CHANGES NOMENCLATURE (THYSANOPTERA: THRIPIDAE).

K Sakimura

Pacific Insects 11(1):71-80

1969 421 P11

Insect geography, Insect taxonomy, Thripidae.

11199-69

NOTOCHRYSA CAPITATA SOUTHERN GERMANY FABRICIUS IN (PLANIPENNIA, CHRYSOPIDAE). (GE)

H Schmid

Entomol Z 79(12):140

16 Jun 1969 421 EN85

Chrysopidae, Zoogeography.

TWO NEW SPECIES OF GENUS AMBLYSEIUS IN THE U. A. R. (ACARINA-PHYTOSEIIDAE).

K K Shehata M A Zaher Acarologia 11(2):175-179

Jul 1969 434.8 AC1

Insect taxonomy, Phytoseiidae.

A LIST OF LONGICORNIA OF CEARA (COLEOPTERA, CERAMBYCIDAE). (POR) A G da Silva

Soc Cearense Agron Bol 8:33-36

Jun 1967 9.2 SO14B

Cerambycidae, Insect taxonomy. English abstract.

MORPHOLOGY OF SPERMATOGENETIC TUBES AS TAXONOMIC CHARACTER IN TRIATOMINAE (REDUVIDAE, HEMIPTERA).

F P da Silva G Schreiber Rev Brasil Biol 29(1):97-102

Apr 1969 442.8 R326

Insect taxonomy, Reduviidae, Reproductive or-

RESULTS OF THE ZOOLOGICAL INVESTIGA-TIONS OF DR. Z. KASZAB IN MONGOLIA. 86. STAPHYLINIDAE, II, SUBFAMILIES PAEDERINAE, XANTHOLININAE AND STAPHYLININAE (COLEOPTERA). 74. CONTRIBUTION TO THE KNOWLEDGE OF THE STAPHYLINIDAE. (GE)

A Smetana

Acta Ent Bohemoslov 64(3):195-218 MAP

1967 420 C33 Insect taxonomy, Paederinae, Staphylinidae, Staphylininae, Xantholininae. Czech abstract.

11204-69

CONTRIBUTION TO THE KNOWLEDGE OF THE SCORPIONS OF INDIA. 2. IOMACHUS LAEVICEPS POCOCK, 1893 (SCORPIONIDAE, ISCHNURINAE). (FR)

R P Sreenivasa-Teddy

Paris Mus Nat Hist Natur Bull 39(6,SER

2):1066-1076 MAP 09 Aug 1968 410.9 P213

Scorpionida, Taxonomy, Zoogeography.

11205-69

OBSERVATION **CHALCEDECTUS** SINAITICUS (MS.), AND DESCRIPTIONS OF C. BALACHOWSKYI SP. IN (HYM., CHAL-CEDECTIDAE) AND OOPRISTUS SAFAVII GEN. N., SP. N. (HYM., TORYMIDAE), TWO PARASITES OF ECONOMIC IMPORTANCE IN

IRAN. (FR) J R Steffan

Entomophaga 13(3):209-216

1968 421 EN835

Chalcedcctoides, Insect taxonomy, Parasitic insects, Torymidae. English abstract.

A NEW GENUS AND SPECIES OF MOSQUITO FROM COLOMBIA, GALINDOMYIA LEEI (DIPTERA, CULICIDAE, CULICINI).

A Stone P Barreto

J Med Entornol 6(2):142-146 May 1969 421 J828 Culicidae, Insect taxonomy.

ON THE BIOLOGY OF SOME SPECIES OF PAPILIONIDAE FROM THE ISLAND OF CELEBES (EAST-INDONESIA).

R Straatman

Entomol Ber 28(12):229-233

01 Dec 1968 420 N38B

Forest insects, Insect biology, Papilionidae, Survevs.

CONIOPTERYX CERATA HAGEN, 1858, FURTHER DESCRIPTION AND LECTOTYPE (NEUROPTERA, CONIOP-DESIGNATION TERYGIDAE).

B Tieder

Entomol Tidskr 89(3-4):141-146

31 Dec 1968 421 EN891

Coniopterygidae, Insect taxonomy, Zoogeography.

COMPARISON OF ENZYMES OF TWELVE SPECIES OF MOSQUITOES.

A W Trebatoski J F Haynes

Entomol Soc Amer Ann 62(2):327-335 REF

Mar 1969 420 EN82

Culicidae, Electrophoresis, Enzymes, Inscct tax-

11210-69

DROSOPHILA MIGRIVENTRIS MACQUART, 1843, A NEW SYNONYM OF D. MELANOGASTER MEIGEN, 1830 (DIPT. DROSOPHILIDAE). (FR)

L. Tsacas

Paris Mus Nat Hist Natur Bull 39(1,SER 2):158-159

21 Jul 1967 410.9 P213

Drosophila melanogaster, Insect taxonomy.

11211-69

COLEOPTEROUS CERAMBYCIDAE OF ARABIA. (FR)

A Villiers

Paris Mus Nat Hist Natur Bull 39(5,SER 2):846-850

25 Apr 1968 410.9 P213

Cerambycidae, Insect taxonomy, Zoogeography.

A NEW AND UNUSUAL SPECIES OF BOLBO-MYIA (DIPTERA: RHAGIONIDAE).

D W Webb

Kans Entomol Soc J 42(3):285-288

Jul 1969 420 K13

Insect taxonomy, Rhagionidae.

SOME ASPECTS OF ZOOGEOGRAPHY AND SPECIATION IN THE GENUS TELDENIA MOORE (DREPANIDAE: LEPIDOPTERA).

C Wilkinson

Ann Mag Natur Hist 3(3,JUL-SEP):367-380 MAP REF

Sep 1969 410 AN77

Insect taxonomy, Teldenia, Zoogeography.

A NEW NEOTROPICAL SPECIES OF MOSIL-LUS (DIPTERA, EPHYDRIDAE).

W W Wirth

Fla Entomol 52(3):147-152

Sep 1969 420 F662

Ephydridae, Insect taxonomy.

MACROLEPIDOPTERA IN 1967. (DU)

T H van Wisselingh Entomol Ber 29(2):22

01 Feb 1969 420 N38B

Lepidoptera, Surveys. English abstract.

I1216-69

DISTRIBUTION DATA OF WESTERN EUROPE-AN HYMENOPTERA. VII. FAMILY OF THE CEPHIDAE (SYMPHYTA). (FR)

F Wolf

Gembloux Inst Agron Bull Etat Ser Extraordinaire 3(4):754-762 REF

1968 105.1 G285

Cephidae, Insect taxonomy, Zoogeography.

11217-69

DISTRIBUTION DATA OF WESTERN EUROPE-AN HYMENOPTERA. VIII. FAMILY OF THE ARGIDAE (SYMPHYTA). (FR)

F Wolf

Gembloux Inst Agron Bull Etat Ser Extraordinaire 3(4):763-775 REF

1968 105.1 G285

Argidae, Insect taxonomy, Zoogeography.

THREE GENERA OF FAMILY TENUIPAL-PIDAE (ACARINA) IN THE U. A. R. WITH DESCRIPTION OF THREE NEW SPECIES.

M A Zaher A A Yousef Acarologia 11(2):272-280

Jul 1969 434.8 AC1

Insect taxonomy, Mites, Tenuipalpidae, United Arab Republic.

11219-69

CONTRIBUTION TO THE FAUNA OF LON-GICORNIA IN THE STATE OF MARANHAO (COLEOPTERA, CERAMBYCIDAE). (POR) D Zajciw

Soc Cearense Agron Bol 8:1-12 REF

Jun 1967 9.2 SO14B

Cerambycidae, Insect taxonomy, Zoogeography. English abstract.

PHYSIOLOGY AND BIOCHEMISTRY

11220-69

3,4-DIHYDROXY-MANDELIC ACID IN THE MUSHROOM GLAND OF COCKROACHES.

K G Adiyodi

Naturwissenschaften 56(7):373

Jul 1969 474 N213

Chromatography, Glands (insects), Hydroxy acids, Insect biochemistry, Mandelic acid, Periplaneta americana.

THE RELATIVE SUSCEPTIBILITY OF THE LARVAE OF SPODOPTERA MAURITIA ACRONYCTOIDES (GUENEE) (LEPIDOPTERA: NOCTUIDAE) TO SEVERAL CONTACT INSEC-TICIDES.

K Ando M Sherman

Hawaii Entomol Soc Proc 19(3):349-360 REF Jun 1967 420 H312

Carbaryl, Chlordane, DDT, Fenthion, Insecticide resistant insects, Insecticides, Larvae, Malathion, Spodoptera.

11222-69

PARASITES OF THE LARCH CASEBEARER, COLEOPHORA LARICELLA (HBN.), COLUMBIA BRITISH (LEIDOPTERA: COLEOPHORIDAE).

R J Andrews N J Geistlinger

Entomol Soc Brit Columbia Proc 66:50-51

01 Aug 1969 420 B77

Braconidac, Chalcididae, Coleophora Iaricella, Eulophidae, Ichneumonidae, Insect ecology, Parasitic insects, Pteromalidae.

11223-69

EFFECT OF RADIOACTIVE THE PHOSPHORUS ON THE DEVELOPMENT OF AEDES AEGYPTI LARVAE.

M Anwar L J Middleton

Hawaii Entomol Soc Proc 19(3):361-366

Jun 1967 420 H312

Aedes aegypti, Insect physiology, Larvae, Phosphorus, Radiation.

SUCCESSFUL LABORATORY MATING OF TWO SPECIES OF JACKRABBIT BOT FLIES.

C R Baird K J Capelle J Med Entomol 6(2):196 May 1969 421 J828

Cuterebra, Insect behavior, Reproduction.

11225-69

ARGININE CONTENT OF THE NEUROSECRE-TORY CELLS OF GRASSHOPPER, ACRIDA GI-GANTEA HBST.

S K Banerice

Indian J Exp Biol 7(2):125-126

Apr 1969 442.8 1N2

Acrididac, Arginine, Insect biochemistry, Insect physiology, Nervous system.

THE CONTENTS OF THE PHARYNGEAL GLANDS OF THE ANT MESSOR CAPITATUS LATR. (INSECTA, HYMENOPTERA, FOR-MICIDAE). (FR)

M Barbier B Delage

Acad Sci Compt Rend Ser D Sci Nat 264(11, 1ST SEMESTER):1520-1522 REF

13 Mar 1967 505 P21

Formicidae, Glands (insects), Insect biochemistry, Pharyngeal glands.

11227-69

NOTES ON THE DISTRIBUTION AND BIONOMICS OF SOME IDAHO CERAM-AND BYCIDAE (COLEOPTERA).

W F Barr R L Penrose

Great Basin Natur 29(2):88-95

31 Jul 1969 410 G79

Cerambycidae, Food habits, Habitats, Zoogeography.

11228-69

THE PHOTORECEPTORS OF THE COLLEM-BOLA. NEW FORMATIONS OF THE RHAB-DOMERIC STRUCTURE BELONGING TO THE GENUS TOMOCERUS (INSECTA, COLLEM-BOLA). (FR)

J A Barra

Acad Sci Compt Rend Ser D Sci Nat 268(16, 1ST SEMESTER):2088-2090

21 Apr 1969 505 P21

Collembola, Cytology, Electron microscopy, Eyes, Insect morphology, Insect physiology, Tomocerus.

11229-69

KOJIC AN INSECTICIDAL ACID AS MYCOTOXIN.

R L Beard G S Walton

J Invertebrate Pathol 14(1):53-59 REF

Jul 1969 421 J826

Aspergillus flavus, Insecticides, Musca domestica, Oncopeltus fasciatus, Toxicology, Toxins.

11230-69

THE MAJOR HYDROCARBON COCKROACH CUTICULAR WAX. OF

1 M Beatty A R Gilby

Naturwissenschaften 56(7):373

Jul 1969 474 N213 Cuticle, Hydrocarbons, Insect biochemistry, Periplaneta americana, Waxes.

CORRELATION OF CELLULAR ACTIVITY IN WEISMANN'S RING WITH MOLTING CYCLES

IN LARVAE OF MUSCA AUTUMNALIS. R C Berberet P L Landers

Entomol Soc Amer Ann 62(2):446-447

Mar 1969 420 EN82

Insect histology, Insect physiology, Molting (insects), Musca autumnalis.

11232-69

A HISTOLOGICAL AND BIOMETRICAL STUDY OF WING DEVELOPMENT IN THE GRASSHOPPER MELANOPLUS LAKINUS.

R G Bland W L Nutting

Entomol Soc Amer Ann 62(2):419-436 REF Mar 1969 420 EN82

Insect histology, Insect morphology, Melanoplus, Metamorphosis, Mitosis, Statistics, Wings (in-

11233-69

THE ANATOMY AND HISTOLOGY OF THE MAXILLARY PALP OF SCHISTOCERCA GREGARIA (ORTHOPTERA, ACRIDIDAE). W M Blaney R F Chapman

11234-69

J Zool 157(4):509-535 REF

Apr 1969 410.9 L84P

Insect histology, Insect morphology, Insect physiology, Mouth parts, Nervous system, Schistocerea gregaria.

SEX PHEROMONE OF TRYPOBENDRON LINEATUM: PRODUCTION IN THE FEMALE HINDGUT-MALPIGHIAN TUBULE REGION.

J H Borden C E Slater

Entomol Soc Amer Ann 62(2):454-455

Mar 1969 420 EN82

Insect physiology, Intestines, Malpighian tubes, Pheromones, Sex behavior, Trypodendron

FECAL FILAMENTS PRODUCED BY FUNGUS INFESTING LARVAE OF PLATYDEMA OREGONENSE.

J H Borden M McClaren M A Horta Entoinol Soc Ainer Ann 62(2):444-446 Mar 1969 420 EN82

Entomogenous fungi, Feees, Insect physiology, Larvae, Polyporus, Spores, Tenebrionidae.

INDUCTION OF MORPHOLOGICAL ABERRATIONS BY ENZYME INHIBITION IN DROSO-PHILA MELANOGASTER.

M Bos W Scharloo R Bijlsma de Boer J den Hollander

Experientia 25(8):811-812 REF 15 Aug 1969 475 EX7

Drosophila melanogaster, Enzymes, Insect biochemistry, Insect morphology, Mutations.

METHOD FOR THE DETECTION AND REGIS-TRATION OF WEAK SOUNDS, SUCH AS THE GNAWING OF INSECT LARVAE. (DU)

Entomol Ber 28(12):236-238

01 Dec 1968 420 N38B

Food habits, Larvae, Methodology, Sound waves, Stridulation. English abstract.

11238-69

ELECTRON MICROSCOPY OF THE STRIATED BORDER OF THE MIDGUT CELLS OF JAVESELLA PELLUCIDA (F.) (HOMOPTERA, DELPHACIDAE).

J Break O Kralik

Acta Ent Bohemoslov 64(3):173-174

1967 420 C33

Delphaeidae, Electron microscopy, Intestines, Javesella pellucida.

11239-69

NEW PHOTORECEPTORS PLACED IN EVIDENCE IN THE DICTYOPTERA: THE PARAOCELLAR ORGANS. (FR)

P Brousse-Gaury

Acad Sci Compt Rend Ser D Sci Nat 264(19, 1ST SEMESTER):2317-2320 REF 08 May 1967 505 P21

Insect histology, Orthoptera, Periplaneta amerieana, Phototropism.

11240-69

ATTRACTION OF APIS MELLIFERA DRONES BY THE ODOURS OF THE QUEENS OF TWO OTHER SPECIES OF HONEYBEES.

C G Butler D H Calam R K Callow

Nature 213(5074):423-424

28 Jan 1967 472 N21

Apis florea, Apis indiea, Apis mellifera, Attractants, Ethyl alcohol, Pheromones, Queen bees, Smell.

11241-69

HISTOLOGY OF THE MALE AUXILLARY GLANDS OF SCHISTOCERCA GREGARIA F. (ORTHOPTERA). EFFECT OF ALLATECTOMY ON THEIR STRUCTURE AND FUNCTION. (FR)

A M Cantaeuzene

Acad Sci Compt Rend Ser D Sci Nat 264(1, 1ST SEMESTER):93-96

04 Jan 1967 505 P21

Corpora allata, Glands (insects), Insect histology, Insect physiology, Schistocerca gregaria.

GROWTH OF THE TREHALA AND ITS NEURO-ENDROCRINE CONTROL IN THE MIGRATORY LOCUST, LOCUSTA MIGRATORIA MIGRATORIOIDES, THE IDENTIFICA-TION OF TREHALOSE IN THE HEMOLYMPH. (FR)

D Chalaye

Acad Sci Compt Rend Ser D Sci Nat 268(24, 1ST SEMESTER):2944-2947

16 Jun 1969 505 P21

Chromatography, Hemolymph, Insect biochemistry, Locusta migratoria, Trehalose.

I1243-69

RECORDINGS OF THE ACTIVITY OF THREE NEURONS IN THE CERCAL BASICONICA SENSILLA OF LOCUSTA MIGRATORIA L. (ORTHOPTERA, ACRIDIDAE). (FR)

I Chambille-Jaillet

Paris Soc Biol Compt Rend 163(1):92-96

16 Jun 1969 442.9 P21

Electrophysiology, Insect physiology, Locusta migratoria, Nervous system.

11244-69

THE FORAGING BEHAVIOUR OF ATTA CEPHALOTES L. (HYMENOPTERA, FORMICIDAE). I. FORAGING PATTERN AND PLANT SPECIES ATTACKED IN TROPICAL RAIN FOREST.

J M Cherrett

J Anim Ecol 37(2):387-403 MAP REF

Jun 1968 410 1826

Atta, Formieidae, Guyana, Inseet behavior, Inseet nutrition, Surveys.

11245-69

COMPARATIVE TOXICITY (MAMMALS, INSECTS, MITES) OF NEW PHOSPHORYLATE DERIVATIVES OF AMINOETHYLTHIOL. (FR) J Cheymol P Chabrier T N Thanh P Savignae A Thizy Et Al

Acad Sci Compt Rend Ser D Sci Nat 268(16, 1ST SEMESTER):2150-2153

21 Apr 1969 505 P21

Chemical control (insects), Chemistry, Insectieides, Mice, Mites, Organophosphorus compounds.

GREGARINIDAE: NEW **ORTHOPTERAN** PARASITES. (FR)

J C Corbel

Paris Mus Nat Hist Natur Bull 39(5,SER 2):992-996

25 Apr 1968 410.9 P213

Gregarina, Insect diseases, Orthoptera, Taxonomy.

ULTRASTRUCTURE OF THE VAS DEFERENS OF APIS MELLIFERA L.. (POR)

C da Cruz landim M A da Cruz hofling Rev Brasil Biol 29(2):181-190 REF

Jun 1969 442.8 R326

Apis mellifera, Electron microscopy, morphology, Reproductive organs. English abstraet.

11248-69

STUDIES ON THE INCIDENCE OF MOSQUITOES IN THE FOOD OF TETRAGNATIIA MONTANA SIMON AND ITS FOOD ACTIVITY IN THE NATURAL HABITAT.

E Dabrowska-Prot J Luczak

Ekol Pol Ser A (SER A)16(43):844-853 1968 512 W263

Culicidae, Forest insects, Habitats, Insect nutrition, Predaecous inseets, Tetragnatha montana. Polish summary.

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1968 512 W263

Biological control (insects), Culicidae, Dolomedes fimbriatus, Predaceous insects, Tetragnatha montana. Polish summary.

11250-69

OBSERVATIONS ON THE RELATION OF LIGHT TO THE DROPPING OF THE TICK IX-ODES TEXANUS BANKS.

P G E Darling

Entomol Soc Brit Columbia Proc 66:26-28

01 Aug 1969 420 B77

Insect behavior, Ixodes texanus, Light, Photoperiodism.

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W A L David S Ellaby G Taylor J Invertebrate Pathol 14(1):96-101 REF

Jul 1969 421 J826

Formaldehyde, Granuloses, Insect diseases, Pieris brassicae, Virus diseases.

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Heat, Longevity, Myzus persicae, Temperature. English abstract.

BRITISH LEPIDOPTERA COLLECTING, 1968.

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Lepidoptera, Seasonal variation.

11254-69

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Coleoptera, Insect physiology, Nervous system, Secretions.

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D M DeLong P H Fregtag Kans Entornol Soc J 42(3):303-312 Jul 1969 420 K13

Cieadellidae, Inseet taxonomy.

11256-69

ITALIAN EXPERIENCES WITH A NEW ACAR-ICIDE PRODUCT: C 8514 OR GALECRON. (IT) S Di Caro

Giornate Fitopatol 415-421

26 Mar 1967 SB599.G5

Acaricides, Chemical control (insects), Chloro-otolyl)-N,N-dimethylformamidine, N'-(4-, Ovicides, Panonychus ulmi.

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Marcellia 35(1-2,MAR-JUN):3-44

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Bibliography, Ceeidomyiidae, Literature, Reviews.

11258-69

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R A 1 Drew

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morphology, Insect identification, Insect Reproductive organs, Sex dctermination, Trypetidae.

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11259-69

LABORATORY STUDY OF ANOCENTOR NITENS (NEUMANN) (ACARINA: 1XODIDAE). THE TROPICAL HORSE TICK.

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J Med Entomol 6(2):150-154 REF

May 1969 421 J828

Anocentor nitens, Insect biology, Insect rearing, Ixodidae, Life cycle.

EFFECT OF STARVATION ON THE BLACK CARPET BEETLE, ATTAGENUS MEGATOMA, INFECTED WITH THE EUGREGARINE PYX-INIA FRENZELI.

F V Dunkel G M Boush

J Invertebrate Pathol 14(1):49-52

Jul 1969 421 J826

Attagenus megatoma, Diet, Eugregarina, Insect diseases, Insect nutrition.

11261-69

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Cytology, Galleria mellonella, Hormones, Insect hormones, Insect physiology, Ovaries.

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Natur Appl Sci Bul 20(3, JUL-SEP):267-275

Jul 1967 475 P532

Birds, Parasitism, Trematoda.

INFLUENCE OF TEMPERATURE INVERSION ON DEVELOPMENT OF SPRUCE BEETLE, DENDROCTONUS OBESUS (MANNERHEIM) (COLEOPTERA: SCOLYTIDAE).

E D A Dyer

Entomol Soc Brit Columbia Proc 66:41-45

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Dendroctonus obesus, Insect biology, Insect physiology, Scolytidae, Temperature.

11264-69

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R R Eason

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Araneae, Insect biology, Lycosidae, Seasonal varia-

11265-69

THE EFFECT OF SOME TRACE ELEMENTS ON GROWTH, REPRODUCTION, AND SYMBIONTS OF ARTIFICIALLY FED NEOMYZUS CIRCUMFLEXUS BUCKT. (APHIDAE, HOMOP-TERA, INSECTA). (GE)

P Ehrhardt

Z Vergleichende Physiol 58(1):47-75 REF 1968 444.8 7.3

Calcium, Copper, Insect nutrition, Insect physiology, Iron, Manganese, Micronutrients, Neomyzus

circumflexus, Reproduction, Symbiosis, Zinc. English summary.

11266-69

CONTEMPORARY LITERATURE -- MAL-LOPHAGA. (I). (GE)

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Angew Parasitol 10(2):104-124 REF May 1969 436.8 AN4

Bibliography, Mallophaga.

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Amino acids, Autoradiography, Carbohydrates, Insect metabolism, Musca domestica, Nucleic acids, Ovaries.

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E B Fagan L C Kuitert Fla Entomol 52(3):199-206 REF

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Cercopidae, Insect biology, Insect rearing, Pastures, Prosapia bicincta.

A LABORATORY INVESTIGATION OF MATU-RATION IN THE CUBAN BORROWING COCKROACH BYRSOTRIA FOMIGATA

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Ohio J Sci 68(1):11-17

Jan 1968 410 OH3

Blattidae, Byrsotria fumigata, Insect physiology, Maturation.

11270-69

PIGMENT DEVELOPMENT IN MALE INTEGU-MENT TRANSPLANTED ONTO FEMALES IN THE DESERT LOCUST, SCHISTOCERCA GREGARIA.

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Entomol Exp Appl 11(4):475-476

1968 421 EN895

Corpora allata, Cuticle, Insect physiology, Schistocerca gregaria.

11271-69

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Acarologia 11(2):159-162 REF

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Insect biology, Insect evolution, Insect genetics, Mites, Oribatei.

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W A Foster W Olkowski

J Med Entomol 5(4):488-491 30 Oct 1968 421 J828

Ceratophyllus, Cimicidae, Insect behavior, Medical entomology, Nesting habits, Siphonaptera.

CHANGES IN HAEMOLYMPH AND CUTICLE PROTEINS DURING THE MOLTING PROCESS IN THE AMERICAN COCKROACH. F R Fox R R Mills

Compar Biochem Physiol 29(3):1187-1195 REF Jun 1969 444.8 C73

Blood, Cuticle, Electrophoresis, Insect biochemistry, Molting (insects), Periplaneta americana,

Twelve negatively charged protein bands were found by acrylamide gel electrophoresis to be

present in the hemolymph of the American cockroach during the molting cycle. Fourteen soluble cuticle proteins appear at one stage of ecdysis, some having similar mobilities to the blood proteins. The levels of concentration are discussed with emphasis on the blood and cuticle protein relationships.

11274-69

PROTEOLYTIC ENZYMES OF THE CROP FLUID FROM LOCUSTA MIGRATORIA L.

Compar Biochem Physiol 20(3):1013-1015

Mar 1967 444.8 C73

Electrophoresis, Enzymes, Gastrointestinal system, Insect biochemistry, Locusta migratoria, Proteinases.

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Bombyx mori, Corpora allata, Insect hormones, Insect physiology, Molting (insects).

PRODUCTION OF THE PROTOCEPHALIC NEUROSECRETION PRODUCT IN THE AX-PASSAGE THE INSECTA. ONAL OF PTERYGOTA. (FR)

M Gabe

Acad Sci Compt Rend Ser D Sci Nat 264(7, 1ST SEMESTER):943-945 13 Feb 1967 505 P21

Hormones, Insect physiology, Insects, Nervous system, Secretions.

CERTAIN REACTIONS IN HONEY BEES TO THE FLOW OF ELECTRIC CURRENT OF DIF-FERENT PARAMETERS.

H Galuszka J Lisiecki

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Apis mellifera, Electricity, Insect behavior, Insect physiology.

11278-69

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H N B Gopalan C M S Dass

Indian J Exp Biol 7(1):29-31

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Autoradiography, Dacus cucurbitae, Dec yribonucleic acid, Glands (insects), Inse biochemistry, Larvae, Salivary glands, Synthesis. Deox-Insect

NOTES ON THE MUSCLES CLOSING THE ANAL AND GENITAL OPENING AND ON THE REPRODUCTIVE STRUCTURE IN MATURE ORIBATEL (FR)

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Acarologia 11(2):317-347 REF

Jul 1969 434.8 ACI

Insect morphology, Muscles, Oribatei, Reproductive organs.

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Mar 1969 420 EN82 Germ-free life, Insect rearing, Methodology, Musca.

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Cerambycidae, Larvac, Longevity, Oviposition, Populus.

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Acta Trop 26(2):173-179 REF

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Diurnal rhythm, Insect behavior, Insect nutrition, Ixodides.

11283-69

OXYGEN CONSUMPTION OF THE SCORPION CENTRUROIDES SCULPTURATUS.

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Compar Biochem Physiol 29(1):217-226 REF

Apr 1969 444.8 C73

Aging, Centruroides sculpturatus, Insect metabolism, Insect respiration, Oxygen, Scorpionida, Sex, Temperature.

11284-69

ARTIFICIAL DIET FOR THE ADULT FROGHOPPER.

E A C Hagley

Noture 213(5074):414-415

28 Jan 1967 472 N21

Aeneolamia varia saccharina, Amino acids, Diet, Insect nutrition, Leaves, Lipids, Mortality, Sugarcane, Vitamins.

I1285-69

THE EQUILIBRIUM REACTION SORBITOL (REVERSIBLE REACTION) FRUCTOSE IN THE INTACT MOSQUITO.

E van Handel

Compor Biochem Physiol 29(3):1023-1030 REF Jun 1969 444.8 C73

Aedes sollicitans, Chemical reactions, Fructose, Glucitol, Insect biochemistry, Insect metabolism.

11286-69

EXTENSION OF THE HOST RANGE OF NOSEMA LOCUSTAE IN ORTHOPTERA.

J E Henry

Entomol Soc Amer Ann 62(2):452-453

Mar 1969 420 EN82

Insect diseases, Nosema locustae, Orthoptera, Surveys.

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SOME OBSERVATIONS ON FLIGHT IN ON-COPELTUS FASCIATUS (HEMIPTERA. LYGAEIDAE).

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Entomol Soc Brit Columbio Proc 66:45-49

01 Aug 1969 420 B77

Insect behavior, Insect flight, Oncopeltus fasciatus, Wings (insects).

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Poris Mus Not Hist Notur Bull 39(2,SER 2):879-897 REF

25 Apr 1968 410.9 P213

Insect biology, Insect morphology, Insect taxonomy, Odonata, Zoogeography. German abstract.

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COMPARATIVE ECOLOGY OF SOME HYMENOPTEROUS EGG PARASITES OF THE PINE MOTII, DENDROLIMUS SPECTABILIS BUTLER (LEPIDOPTERA: LASIOCAMPIDAE), WITH SPECIAL REFERENCE TO THE FACTORS AFFECTING THEIR EFFICIENCY AS NATURAL ENEMIES. (JA

Y Hirosc

Kyushu Univ Fac Agr Sci Bull 24(2):115-148 REF

Jun 1969 107.6 K995B

Dendrolimus spectabilis, Egg parasite, Hymenoptera, Insect biology, Insect ecology, Lasiocampidac, Surveys. English abstract.

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INTERPRETATION OF THE STRUCTURES CALLED CENTRIOLES IN THE HYPERMASTIGIAN SYMBIOTES OF TERMITES AND OF CRYPTOCERCUS. (FR)

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Acod Sci Compt Rend Ser D Sci Not 264(15, 1ST SEMESTER):1868-1871

10 Apr 1967 505 P21

Cryptocercus, Cytology, Insect physiology, Protozoa, Symbiosis, Termites.

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CHANGES IN GLAND VOLUME DURING THE POST-DIAPAUSE DEVELOPMENT IN EMBRYOS OF AULOCARA ELLIOTTI (THOMAS) (ORTHOPTERA, ACRIDIDAE).

S N van Horn

Montono Acod Sci Proc 28:75-75 REF

1968 500 M762

Acrididae, Aulocara elliotti, Embryos, Glands (insects), Insect physiology, Morphology, Volumetric analysis.

11292-69

OBSERVATIONS ON THE NESTS AND BEHAVIOUR OF SOME EURYGLOSSINE BEES (HYMENOPTERA: COLLETIDAE).

T F Houston

Entomol Soc Austrolio (nsw) J 8(1):1-10 REF 30 Jun 1969 423.92 EN84

Colletidae, Gasteruptiidae, Insect behavior, Insect nests, Predaceous insects.

11293-69

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Acto Ent Bohemoslov 64(5):352-363 REF 1967 420 C33

Humidity, Insect behavior, Insect nutrition, Termites, Wood.

11294-69

EXPLANATION OF THE MOLECULAR STRUCTURE OF INSECT HEMOGLOBINS. (GE)

R Huber O Epp H Formanek

Noturwissenschoften 56(7):362-367 REF

Jul 1969 474 N213

Chemical structure, Chironomus thummi, Hemoglobin, Hemolymph, Insect biochemistry.

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THE STIMULATING ACTION OF THE SPERMATOPHORE ON OGGENESIS IN ACANTHOSCELIDES OBTECTUS SAY (INSECTA, COLEOPTERA). (FR

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Acod Sci Compt Rend Ser D Sci Nat 268(24, 1ST SEMESTER):2938-2940

16 Jun 1969 505 P21

Acanthoscelides obtectus, Insect physiology, Oogenesis, Spermatophores.

11296-69

THE SPECTRAL SENSITIVITY AND THE COMPONENTS OF THE VISUAL SYSTEM IN THE STEMMATA OF SILKWORM LARVAE, BOMBYX MORI L. (LEPIDOPTERA: BOMBYCIDAE).

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Appl Entomol Zool 4(2):87-99 REF

Jun 1969 SB599.A6

Bombyx mori, Eyes, Insect behavior, Insect physiology, Larvac, Light.

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IN VITRO CULTURE OF OVARY OF THE PLANT BUG, IPHITA LIMBATA STAL.
P I lttycheriah S Stephanos

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NATURAL AND SYNTHETIC MATERIALS WITH INSECT HORMONES ACTIVITY. 8. JUVENILE ACTIVITY OF THE FARNESANE-TYPE COMPOUNDS ON GALLERIA MELLONELLA.

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Farnesol, Galleria mellonella, Insect physiology, Juvenile hormone.

11299-69

THE NESTING ACTIVITIES OF THE VESPOID POTTER WASP EUMENES CAMPANIFORMIS ESURIENS (FABR.) COMPARED WITH THE ECOLOGICALLY SIMILAR SPHECOID SCELIPHRON MADRASPATANUM (FABR.) (HYMENOPTERA).

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Apr 1968 513 B63

Insect behavior, Insect biology, Insect nests, Sphecidae, Vespidae.

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AMYDRIA EFFRENTELLA FROM NESTS OF MOUNTAIN BEAVER, APLODONTIA RUFA.

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Entornol Soc Amer Ann 62(2):396-399

Mar 1969 420 EN82

Beavers, Habitats, Insect biology, Tineidae.

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A Kajak L Andrezejcwska Z Wojcik Ekol Pol Ser A (SER A)16(38):755-765 1968 512 W263

Acridoidea, Araneus quadratus, Biological control (insects), Habitats, Predaccous insects. Polish summary

11302-69

STUDIES ON THE UTILIZATION OF NATURAL ENEMIES AS BIOTIC INSECTICIDES. MATING OF PSEUDAPHYCUS MALINUS GAHAN AND SEX OF THE PROGENY. (JA)

Kyushu Univ Foc Agr Sci Bull 24(2):157-159 Jun 1969 107.6 K995B

Insect behavior, Insect biology, Pseudaphycus malinus, Sex behavior. English abstract.

11303-69

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Kyushu Univ Foc Agr Sci Bull 24(2):161-166 Jun 1969 107.6 K995B

Insect biology, Insect rearing, Parasitic insects, Population, Pseudaphycus malinus. English abstract

11304-69

STUDIES ON THE UTILIZATION OF NATURAL ENEMIES AS BIOTIC INSECTICIDES. EFFECT OF PHYSICAL FACTORS ON THE CULTURE OF PSEUDAPHYCUS MALINUS GAHAN. (JA)

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Humidity, Insect rearing, Light, Parasitic insects, Pscudaphycus malinus, Reproduction, Temperature. English abstract.

11305-6

RESUMPTION OF YOLK FORMATION AFTER THE IMPLANTATION OF CORPORA ALLATA IN PIERIS BRASSICAE L. (LEPIDOPTERA). (FR)

A Karlinsky

Acad Sci Compt Rend Ser D Sci Nat 264(13, 1ST SEMESTER):1735-1738

29 Mar 1967 505 P21

Corpora allata, Insect reproduction, Oogenesis, Pieris brassicae, Tissue transplants.

11306-69

NUTRITIONAL STUDIES ON EXCESSIVE LARVAL MOLTING IN THE SILKWORM BOMBYX MORI.

M Kato K Sumimoto

Annot Zool Jap 41(4):140-147 REF

Dec 1968 410 AN79

Bombyx mori, Insect nutrition, Insect physiology, Larvae, Molting (insects).

11307-69

FATTY ACID METABOLISM IN DROSOPHILA MELANOGASTER: INTERACTION BETWEEN DIETARY FATTY ACIDS AND DE NOVO SYNTHESIS.

A D Keith

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Chromatography, Drosophila melanogaster, Fatty acids, Insect biochemistry, Insect metabolism, Larvae, Radioisotopes.

THE DIGESTIVE ENZYMES OF THE LARVA OF UTETHEISA PULCHELLA LINNAEUS (LEPIDOPTERAI ARCTIIDAE).

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Beitr Entornol 17(3-4):349-356

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Arctiidae, Digestion, Enzymes, Insect biochemistry, Larvae, Utetheisa pulchella.

NOTES ON REMARKABLE COLOR VARIA-TIONS OF CRYPTOCEPHALUS AMICULUS BALY OCCURRING ON MT. HIKO AND ITS ADJACENT AREAS.

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Esakia (7):71-73

31 Jan 1969 421 ES1

Chrysomelidae, Color, Insect morphology, Sur-

11310-69

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P E King M J W Copland

Ann Mag Natur Hist 3(3,JUL-SEP):349-365 REF Sep 1969 410 AN77

Insect morphology, Mymaridae, Reproductive organs.

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Hydraecia, Insect biology, Insect ecology, Noctuidae, Zoogeography.

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Bupalus, Fertility, Insect biology, Insect physiology, Insect populations, Larvae. German summary.

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Entomol Soc Amer Ann 62(2):448

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Dendroctonus obesus, Insect behavior, Insect eggs, Oviposition, Population.

11314-69

THE EFFECT OF CORPORA ALLATA TRANS-PLANTED FROM BOMBYX MORI TO OTHER SPECIES OF LEPIDOPTERA (LEPIDOPTERA: BOMBYCIDAE AND SATURNIDAE).

M Kobayashi W J Burdette Appl Entornol Zool 4(2):66-69

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Bombycidae, Corpora allata, Development, Insect physiology, Saturniidac.

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PSILOCOCCUS PARVUS BORCHSENIUS (HOMOPTERA, COCCOIDEA)-MORPHOLOGY, BIOLOGY AND TAXONOMY.

J Koteja

Acta Zool Cracov 14(2):21-41

31 Jan 1969 410 AC86

Coccoidea, Food habits, Insect biology, Insect morphology, Insect taxonomy, Life cycle, Weather, Zoogeography.

11316-69

CARRION BEETLES (NECROPHORUS SPP.) IN THE NETHERLANDS (COL.). (DU)

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Entornol Ber 29(2):34-39

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Insect behavior, Insect collecting equipment, Silphidae. English abstract.

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S S Krishna A K Sinha

Entomol Soc Amer Ann 62(2):450-451

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Cucurbitaceae, Epilachna, Food habits, Insect behavior.

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Diptera, Forests, Insect ecology, Plant ecology, Surveys.

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J Krywienczyk T A Angus

J Invertebrate Pathol 14(1):105-107 Jul 1969 421 J826

Bacillus thuringiensis, Bombyx mori, Immunology, Insect behavior, Larvae, Malacosoma disstria.

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DENSITY-RELATED ACTION APHIDOPHAGOUS INSECTS.

J H Kuchlein

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Aphididae, Density, Insect behavior, Population, Predaceous insects.

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Apis mellifera, Bacterial diseases (insects), Insect behavior, Insect diseases, Mortality.

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Acad Sci Compt Rend Ser D Sci Nat 264(3, 1ST SEMESTER):507-510 REF

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Development, Insect diseases, Lymantriidae, Polyhedroses, Virus diseases (insects).

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Chitin, Cuticle, biochemistry, Insect Polysaccharides, Scorpionida.

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Ceylon J Sci Biol Sci 8(1):11-20 REF

Oct 1968 475 C33

maculatus, Dermestidae, Insect Dermestes physiology, Nervous system, Oviposition, Secre-

11325-69

NOTES ON THE THYSANOPTERA COL-LECTED DURING WESTERN AND SOUTHERN INDIA SURVEY, 1962, WITH A REVIEW OF THE THYSANOPTERA COMPLEX OF THE HOSTS.

K V Lakshminarayana

Bombay Natur Hist Soc J 65(2):348-368 REF Aug 1968 513 B63

Plants, Reviews, Thysanoptera, Zoogeography.

STUDY OF THE HEMOLYMPH PROTEINS OF THE GYPSY MOTH (LYMANTRIA DISPAR L.) BY PAPER AND STARCH GEL ELEC-TROPHORESIS. RESULTS IN NORMAL ANIMALS AND THOSE EXPOSED TO VARI-OUS EXPERIMENTAL CONDITIONS. (FR)

M Lamy

Acad Sci Compt Rend Ser D Sci Nat 264(5, 1ST SEMESTER):767-770

30 Jan 1967 505 P21

Bombyx mori, Electrophoresis, Hemolymph, Insect biochemistry, Porthetria dispar, Proteins.

IN VITRO CULTURE OF THE NYMPHAL OVARY OF TENEBRIO MOLITOR (COLEOPTERA) IN THE PRESENCE OF ECDYSONE.

A M Laverdure

Acad Sci Compt Rend Ser D Sci Nat 269(1, 2ND SEMESTER):82-85

07 Jul 1969 505 P21

Ecdysone, Ovaries, Tenebrio molitor, Tissue culture.

11328-69

EFFECTS OF ALLATECTOMY ON THE IMAGINAL DEVELOPMENT OF THE FEMALE GENITAL TRACT IN LOCUSTA MIGRATORIA MIGRATORIOIDES (INSECTA, ORTHOP-TERA). (FR)

S Laveriat

Acad Sci Compt Rend Ser D Sci Nat 268(16, 1ST SEMESTER):2109-2112 REF

21 Apr 1969 505 P21

Corpora allata, Insect morphology, Insect physiology, Larvae, Locusta migratoria migratorioides, Reproductive organs.

VARIATIONS OF PH AND OSMOTIC PRES-SURE OF THE HEMOLYMPH IN GALLERIA MELLONELLA L.. (FR)

P Laviolette G Mestres

Acad Sci Compt Rend Ser D Sci Nat 265(14, 2ND SEMESTER):979-982

02 Oct 1967 505 P21

ENTOMOLOGY

11330-69

Galleria melloncIIa, Hemolymph, Hydrogen-ion eoneentration, Insect biochemistry, Metamorphosis, Osmotie pressure.

11330-69

THE SENSORY EQUIPMENT OF THE FIRST-STAGE LOCUSTA MIGRATORIA L. LARVAE MANDIBLES. (FR)

JR Le Berre A Louveaux

Acad Sci Compt Rend Ser D Sci Nat 268(24,1ST SEMESTER):2907-2910

16 Jun 1969 505 P21

Inseet morphology, Larvae, Loeusta migratoria, Mouth parts, Nervous system.

11331-69

A STUDY OF THE OXIDASES IN THE XYLOPIIAGOUS INSECT, IPS SEXDENTATUS AND IN ITS MICROBIAL FLORA. (FR)

A Le Fay J E Courtois A Thuillier C Chararas S Lambin

Acad Sci Compt Rend Ser D Sci Nat 268(24, 1ST SEMESTER):2968-2970

16 Jun 1969 505 P21

Insect biochemistry, Ips sexdentatus, Microorganisms, Oxidases, Symbiosis.

JUVENILE HORMONE AND THE FORMATION OF WARRIORS IN THE YELLOW NECKED TERMITE, CALOTERMES FLAVICOLLIS FABR.. (FR)

D Lebrun

Acad Sci Compt Rend Ser D Sci Nat 265(14, 2ND SEMESTER):996-997 02 Oet 1967 505 P21

Corpora allata, Isoptera, Juvenile hormone, Periplaneta americana, Social insects, Tissue transplants.

11333-69

OVERWINTERING PHYTOSEIID MITES IN CENTRAL UTAH APPLE ORCHARDS.

J W Leetham C D Jorgensen Great Basin Natur 29(2):96-104 REF

31 Jul 1969 410 G79

Apples, Insect biology, Mites, Orchards, Phytoseiidae.

SPECIFIC ACTIVITY INCREASE OF A BALBI-ANI RING BY MG2 PLUS IN ISOLATED NUCLEI OF CILIRONOMUS. (GE)

M Lezzi

Chromosoma 21(1):109-122 REF

02 Mar 1967 442.8 C46

Cell nueleus, Chironomus tentans, Chironomus thummi, Inseet bioehemistry, Ions, Magnesium, Ribonueleie aeid, Salivary glands (inseets). English abstract.

11335-69

POPULATION DIFFERENCES IN TANYTAR-GRACILENTUS (HOLMGR.) (DIPT., CIIIRONOMIDAE).

B Lindeberg

Ann Zool Fenn 5(1):88-91 MAP REF

1968 410 AN712

Chironomidae, Environment, Population, Tanytarsus gracilentus, Zoogeography.

11336-69

COCCIDIAN PATHOGEN OF DERMESTID TROGODERMA PARABILE.

S R Loschiavo

J Invertebrate Pathol 14(1):89-92 REF

Jul 1969 421 1826

Coeeidiosis, Inseet diseases, Inseet eggs, Larvae, Protozoa, Pupae, Trogoderma parabile.

11337-69

ATTRACTION OF THE NANTUCKET PINE TIP MOTH, RHYACIONIA FRUSTRANA, TO INCANDESCENT LIGHT AND BLACKLIGHT, AND TO VIRGIN FEMALES.

C Manley M H Farrier Entomol Soc Amer Ann 62(2):443 Mar 1969 420 EN82

Inseet behavior, Light, Rhyaeionia frustrana, Sex behavior, Time.

BIBLIOGRAPHY

11338-69

REPRODUCTION OF TELARIUS (* ON THE REPRODUCTION OF TETRANYCHUS TELARIUS (L.), MYZUS PERSICAE (SULZ.) AND ACYRTHOSIPHON PISUM HARRIS.

M Markkula K Tiittanen

Ann Agr Fenn 8(1):9-14 REF

1969 20 AN7

Acyrthosiphon pisum, Fertility, Fertilizers, Myzus persieae, Nitrogen, Phosphorus, Potassium, Tetranyehus telarius.

A CANDIDIASIS IN LARVAE OF THE TUSSOCK DOUGLAS-FIR MOTH, HEMEROCAMPA PSEUDOTSUGATA.

M E Martignoni P J Iwai L J Wiekerham

J Invertebrate Pathol 14(1):108-110

Jul 1969 421 J826

Entomogenous fungi, Hemerocampa pseudotsugata, Insect diseases, Larvae, Moniliasis.

LIPID COMPOSITION OF FAT BODY AND ITS CONTRIBUTION TO THE MATURING OO-CYTES IN PYRRHOCORIS APTERUS.

J S Martin

J Insect Physiol 15(6):1025-1045 REF

Jun 1969 421 J825

Fat body, Insect biochemistry, Insect physiology, Lipids, Oogenesis, Pyrrhoeoris apterus.

THE CHEMICAL BASIS FOR THE ATTINE ANT-FUNGUS SYMBIOSIS. ABSENCE OF AN-TIBIOTICS.

M M Martin J G MacConnell G R Gale Entomol Soc Amer Ann 62(2):386-388 REF Mar 1969 420 EN82

Antibioties, Atta, Chemieal analysis, Fungi, Sym-

11342-69

EFFECTS OF MAGNESIUM AND CALCIUM IONS ON THE ADENOSINETRIPHOSPHATASE ACTIVITY OF INSECT ACTOMYOSIN AT LOW IONIC STRENGTH.

K Maruyama S R Allen

Compar Biochem Physiol 21(3):713-718

Jun 1967 444.8 C73

Aetomyosins, Adenosine triphosphatase, Caleium, Insect biochemistry, Ions, Lethocerus maximus, Magnesium.

MODIFICATION OF ELECTRIC ACTIVITY OF THE DENTOCEREBRON BY TACTILE STIMULATIONS OF ANTENNA IN THE ANT CAMPONOTUS ZIGNIPERDA LATR.. (FR)

C Masson G Corbiere F Clarae

Paris Soc Biol Compt Rend 163(2):455-459

16 Jul 1969 442.9 P21

Antennae, Brain, Camponotus, Eleetrophysiology, Meehanoreeeptors.

HAMPEA SP., 110ST OF THE BOLL WEEVIL. 1. LABORATORY PREFERENCE STUDIES. F G Maxwell D D Hardee W L Parrott J N

Jenkins M J Lukefahr

Entomol Soc Amer Ann 62(2):315-318

Mar 1969 420 EN82

Anthonomus grandis, Attraetants, Cotton, Food habits.

CIRCADIAN RHYTHMS IN FEMALE ANTS, AND LOSS AFTER MATING FLIGHT. E S McCluskey

Compar Biochem Physiol 23(2):665-677 REF Nov 1967 444.8 C73

Formieidae, Inseet behavior, Inseet flight, Photoperiodism, Sex behavior, Veromessor.

THE PHOTORESPONSE TO SKYSHINE OF THE TWO-SPOTTED SPIDER MITE, TETRANYCHUS URTICAE K. (ACARINA: TETRANYCHIDAE).

W D MeEnroe

Acarologia 11(2):281-283

Jul 1969 434.8 AC1

Inseet physiology, Phototropism, Tetranyehidae.

11347-69

SUCESSFUL LABORATORY MATING OF APANTELES CONGREGATUS, A PARASITE OF THE TOBACCO HORNWORM, MANDUCA SEXTA.

M W MeFadden

Entomol Soc Amer Ann 62(2):342-344

Mar 1969 420 EN82

Apanteles eongregatus, Insect rearing, Manduca sexta, Sex behavior.

THE APPEARANCE OF RESISTANCE IN THE LARVA OF THE COTTON ROOTBORER WEEVIL TO THE ACTION OF CHLORINATED HYDROCARBONS UNDER LABORATORY CONDITIONS. (POR)

EJR Mello

Biologico 34(12):257-261

Dec 1968 442.8 B529

Aldrin, Carbamates, CarbaryI, Chlordane. Chlorinated hydroearbons, Cureulionidae, Dieldrin, DDT, Insecticide resistant insects, Insecti-Larvae, Organophosphorus compounds, Parathion.

11349-69

OVARIAN FUNCTION AND OVIPOSITION IN V1RG1N FEMALES AND FERTILIZED **FEMALES** OF DROSOPHILA MELANOGASTER WHICH HAVE BEEN SUB-MITTED TO AN EXCLUSIVELY GLUCOSIDE DIET, (FR)

J Merle J David

Acad Sci Compt Rend Ser D Sci Nat 264(16, 1ST SEMESTER):2028-2030 17 Apr 1967 505 P21

Drosophila melanogaster, Glyeosides, Inseet diets, Insect nutrition, Insect reproduction, Ovaries, Ovu-

IMMATURE STAGES OF A CHALCIDOID PARASITE TENDED BY ALLODAPINE BEES. (HYMENOPTERA: PERILAMPIDAE ANTHOPHORIDAE).

C D Miehener

Kans Entornol Soc J 42(3):247-250

Jul 1969 420 K13

Anthophorinae, Inseet biology, Larvae, Parasitie inseets, Perilampidae.

11351-69

RESISTANCE TO INSECTICIDES OF THREE STRAINS OF MUSCA DOMESTICA L. FROM BRISBANE, QUEENSLAND.

L A Millar G H S Hooper

Entomol Soc Australia (nsw) J 8(1):113-115 REF 30 Jun 1969 423.92 EN84

Chlorinated hydroearbons, Diazinon, Dieldrin, DDT, Insecticide resistant insects, Insecticides, Lindane, Malathion, Musea domestica.

11352-69

THERMISTOR THERMOMETER FOR PHYSIOLOGICAL PREPARATIONS.

T Miller

Entomol Soc Amer Ann 62(2):443-444

Mar 1969 420 EN82

Dorsal vessel, Methodology, Periplaneta amerieana, Temperature, Thermal analysis.

I1353-69

THE COCKROACH HEART AS A BIOASSAY ORGAN. T Miller R L Metealf

Entomol Exp Appl 11(4):455-463 REF 1968 421 EN895

BIBLIOGRAPHY

Biological assay, Dorsal vessel, Insect physiology, Methodology, Nervous system, Periplaneta amer-

11354-69

ACOUSTICAL COMMUNICATION BY LIPARA LUCENS (DIPTERA, CHLOROPIDAE).

J H Mook C G Bruggemann

Entornol Exp Appl 11(4):397-402

1968 421 EN895

Chloropidae, Insect behavior, Lipara lucens, Sound waves, Vibration.

HABITAT SELECTION OF LABORATORY POPULATIONS OF TRIBOLIUM.

M T Morgan

Entomol News (philadelphia) 80(8):207-224 (CONT.)

Aug 1969 421 EN88

Habitats, Insect behavior, Insect physiology, Insect rearing, Temperature, Tribolium castaneum, Tribolium confusum.

OBSERVATIONS AND RECORDS FOR SOME BRITISH THYSANOPTERA. XI THRIPIDAE, BELOTHRIPS ACUMINATUS HALIDAY.

G D Morison

Entomologist (london) 102(1274):165-172 REF Jul 1969 421 EN8

Insect biology, Thripidae, Thysanoptera.

A SIMPLE RAPID METHOD FOR THE MULTI-PLE ASSAY OF TRYPTOPHAN PYRPOLASE IN DROSOPHILA.

W W Morrison W J Frajola Ohio J Sci 68(6):285-290

Nov 1968 410 OH3

Chemical analysis, Drosophila, Enzymes, Insect biochemistry, Pyrrole, Tryptophan.

11358-69

LARVAL AGGREGATION FORMATION AND POPULATION DENSITY INTERRELATIONS IN AEDES TAENIORHYNCHUS, THEIR EFFECTS ON PUPAL ECDYSIS AND ADULT CHARAC-TERISTICS AT EMERGENCE.

J K Nayar D M Sauerman

Entomol Exp Appl 11(4):423-442 REF

1968 421 EN895

Aedes taeniorhynchus, Emergence, Insect morphology, Insect physiology, Larvae, Molting (insects), Population.

11359-69

SYMBIONTIC INTERRELATIONSHIPS BETWEEN MICROBES AND AMBROSIA BEE-TLES. III. ERGOSTEROL AS THE SOURCE OF STEROL TO THE INSECT.

D M Norris J M Baker H M Chu

Entomol Soc Amer Ann 62(2):413-414

Mar 1969 420 EN82

Ergostcrol, Microorganisms, Scolytidae, Sterols, Symbiosis, Xyleborus ferrugineus.

LABORATORY EXPERIMENTS ON THE SOUND OF THE WING BEATS OF CULEX PIPIENS LINNAEUS DURING DIAPAUSE. (GE)

Beitr Entomol 17(5-8):637-638

1967 421 B392

Insect flight, Insect physiology, Sound waves, Wings (insects). English and Russian abstracts.

EVIDENCE OF SEX ATTRACTANT IN FEMALE DYSDERCUS CINGULATUS FABR. Z Osmani M B Naidu

Indian J Exp Biol 5(1):51

Jan 1967 442.8 IN2

Dysdercus cingulatus, Insect behavior, Phermones, Sense organs, Sex attractants.

INVESTIGATIONS INTO THE POPULATION DYNAMICS OF PARASITES AND HYPER-PARASITES OF BREVICORYNE BRASSICAE (L.) (HOMOPTERA, APHIDIDAE). (GE)

D Paetzold G Vater

Acta Ent Bohemoslov 64(2):83-90

1967 420 C33

Aphididac, Aphidiinae, Brevicoryne brassicae, Insect ecology, Parasitic insects, Population. Czech

11363-69

COMPARATIVE NOTES ON THE DISTRIBU-TION, ECOLOGY AND BEHAVIOUR OF SOME DAMSELFLIES (ODONATA: COENAGRIIDAE). M J Parr

Entomologist (london) 102(1274):151-161 REF

Jul 1969 42I EN8

Insect behavior, Insect ecology, Odonata, Zoogeography.

ABSORPTION AND METABOLISM OF A 10 PER CENT GLUCOSE SOLUTION BY PER CENT GLUCOSE SOLUTION DE MOSQUITOES CULEX PIPIENS MOLESTUS

J Paulovova S Paulov

Biologia (bratislava) 22(1):58-63

1967 442.8 B5265

Absorption (biological), Culex pipiens molestus, Glucose, Insect metabolism, Insect physiology. German and Russian abstracts.

A METHOD FOR DETERMINING THE DOSAGE-MORTALITY CURVE OF DOSAGE-MORTALITY CURVE OF MALATHION AGAINST THE PEA APHID, ACYRTHOSIPHON PISUM (HARRIS) (HOMOP-TERA: APHIDIDAE).

W D Pearson

Entomol Soc Brit Columbia Proc 66:3-9 REF

01 Aug 1969 420 B77

Acyrthosiphon pisum, Aphididae, Dosage, Insect physiology, Insecticides, Malathion, Mortality, Organophosphorus compounds, Statistical analysis.

I1366-69

ARTHROPOD PREPATORS OF IMMATURE DIPTERA DEVELOPING IN POULTRY DROPPINGS IN NORTHERN CALIFORNIA. PART I. DETERMINATION, SEASONAL ABUNDANCE AND NATURAL COHABITA-TION WITH PREY.

J H Peck J R Anderson

J Med Entomol 6(2):163-167 REF

May 1969 421 J828

Diptera, Insect identification, Musca domestica, Parasitism, Poultry, Surveys.

PENETRATION OF KEYSTONE VIRUS IN AR-TIFICIALLY INFECTED FEMALE AEDES IN-FIRMATUS (DYAR AND KNAB).

R E Penny D J Taylor

J Med Entomol 6(1):81-82

30 Jan 1969 421 J828

Aedcs infirmatus, Arboviruses, Insect diseases, Insect physiology, Medical entomology.

SENSITIVITY OF SITOPHILUS ZEAMAIS MOTS (0 ORYZEA L.) TO IONIZING RADIA-TIONS AT DIFFERENT STAGES OF ITS DEVELOPMENT. RADIOGRAPHICAL STUDY OF THE ENDOGENOUS STAGES AND ACTO-GRAPHICAL REGISTRATION. (FR)

P Pesson G K Girish

Ann Epiphyt 19(3):513-531 REF

1968 464.9 F84AN

Insect physiology, lonizing radiation, Radiography, Sitophilus zeamais, Sound waves. English abstract.

A COELOMOMYCES INFECTION OF AEDES AUSTRALIS IN NEW ZEALAND.

J S Pillai

J Invertebrate Pathol 14(1):93-95

Jul 1969 421 J826

Aedes, Coelomomyces, Entomogenous fungi, Insect diseases.

11370-69

LIFE HISTORY AND BIOLOGY OF CALOGLYPHUS **ANOMALUS** NESBITT (ACARINA: ACARIDAE).

PRP Pillai PW Winston

Acarologia 11(2):295-303 REF

Jul 1969 434.8 AC1

Acaridae, Insect behavior, Insect biology, Life cy-

A SIMPLE TECHNIQUE FOR HAND-PAIRING LIMENITIS BUTTER+LIES (NYMPHALIDAE).

Lepidopterists Soc J 23(2):109-112

29 May 1969 421 L554

Insect rearing, Methodology, Nymphalidae, Sex behavior.

11372-69

PROTEIN SYNTHESIS AND NUCLEIC ACID METABOLISM IN THE FAT BODY OF THE LARVA OF THE BLOWFLY, CALLIPHORA ERYTHROCEPHALA.

G M Price

J Insect Physiol 15(6):931-944 REF

Jun 1969 421 J825

Calliphora vicina, Fat body, Insect biochemistry, Insect metabolism, Larvae, Nucleic acids, Proteins, Synthesis.

VISUAL RESPONSES OF APPLE MAGGOT FLIES, RHAGOLETIS POMONELLA (DIPTERA: TEPHRITIDAE): ORCHARD STUDIES.

R J Prokopy

Entomol Exp Appl 11(4):403-422 REF

1968 421 EN895

Color, Field studies, Insect behavior, Rhagoletis pomonella, Tephritidae, Vision.

SOME REGULATORY MECHANISM IN POPU-LATIONS OF TRIBOLIUM CONFUSUM DUVAL AND TRIBOLIUM CASTANEUM HERBST.

Ekol Pol Ser A (SER A)16(16):335-374 REF 1968 512 W263

Fertility, Insect eggs, Insect populations, Predaceous insects, Tribolium castaneum, Tribolium confusum. Polish summary.

THE APPLICABILITY OF SOME POPULATION GROWTH MODELS TO A SINGLE-SPECIES LABORATORY POPULATION.

J.E. Rabinovich

Entomol Soc Amer Ann 62(2):437-442 REF Mar 1969 420 EN82

Insect rearing, Nasonia vitripennis, Population, Statistical analysis.

11376-69

A NOTE ON LEPTOMASTIX NIGROCOXALIS COMP. AS A PARASITE OF CENTROCOCCUS INSOLITUS GREEN.

R R Rawat B N Modi

Mysore J Agr Sci 2(3):239-242

1968 S19.M9

Biological control (insects), Coccidae, Encyrtidae, Parasitism, Predaceous insects.

11377-69

ON THE NEST ARCHITECTURE OF MEGACHILE (CHALICODOMA) PARIETINA FOURCROY (HYM., APIDAE). (GE)

O Rebmann

Entomol Z 79(12):138-139

16 Jun 1969 421 EN85

Apidae, Insect behavior, Insect nests.

POPULATION INCREASE OF TWO SPECIES PSEUDOPITYOPHTHORUS IN OAK BRANCHES.

11379-69

C O Rexrode

Entomol Soc Amer Ann 62(2):448-449

Mar 1969 420 EN82

Population, Pseudopityophthorus, Quercus, Scolytidae.

11379-69

TOXINS FROM THE ENTOMOGENOUS FUNGUS METARRHIZIUM ANISOPLIAE: ISOLATION OF DESTRUXINS FROM SUBMERGED CULTURES.

D W Roberts

J Invertebrate Pathol 14(1):82-88

Jul 1969 421 J826

Entomogenous fungi, Extraction, Galleria mellonella, Metarrhizium anisopliae, Proteins, Toxicology, Toxins.

11380-69

AUTOGENY IN THE DEERFLY, CHRYSOPS FULIGINOSUS (DIPTERA: TABANIDAE).

E G Rockel

J Med Entomol 6(2):140-142

May 1969 421 J828

Blood, Chrysops, Eggs, Insect coology, Insect physiology, Nectar.

11381-69

THE SUSCEPTIBILITY TO INSECTICIDES OF CYDIA POMONELLA (LINNEAUS) (LEPIDOPTERA: TORTRICIDAE) FROM QUEENSLAND.

H A Rose G H S Hooper

Entomol Soc Australia (nsw) J 8(1):79-86 REF

30 Jun 1969 423.92 EN84

Azinphosmcthyl, Biological assay, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insecticide application, Insecticide resistant insects, Insecticides, Laspeyresia pomonella, Organophosphorus compounds.

Populations of Cydia pomonella (Linnaeus) from the granite belt area of south-east Queensland were tested to determine their susceptibility to DDT, azinophos-methyl and carbaryl. Resistance to DDT in one strain was demonstrated by the topical application test method. By means of a continuous-exposure toxicological test, which is described, no evidence of resistance to azinophos-methyl or carbaryl was found in any of the populations tested.

11382-69

SCORPION COLLECTING.

F E Russell

Toxicon 6(4):307-308

May 1969 391.8 T66

Cuticle, Insect collecting equipment, Scorpionida, Ultraviolet rays.

11383-69

RESPONSE OF ISOLATED PUPAL ABDOMENS OF SILKWORMS, BOMBYX MORI L., TO INJECTED PONASTERONE A (LEPIDOPTERA: BOMBYCIDAE).

H Sakurai K Hascgawa

Appl Entornol Zool 4(2):59-65 REF

Jun 1969 SB599.A6

Apidac, Bombyx mori, Development, Insect physiology, Plant hormones, Pupac.

I1384-69

RESULTS OF ORGANOTYPIC CULTURES OF THE CEREBRAL GANGLION AND THE SUB-ESOPHAGIAL GANGLION OF AESCIINA CYANEA MULL (INSECTA, ODONATA). SURVIVAL OF THE ORGANS AND DEVELOPMENT OF TIIE NEUROSECRETORY ELEMENTS. (FR)

F Schaller J Mcunier

Acad Sci Compt Rend Ser D Sci Nat 264(11, 1ST SEMESTER):1441-1444

13 Mar 1967 505 P21

Culture media, Ganglion cells, Insect physiology, Nervous system, Odonata, Sccretions, Tissuc culture.

11385-69

HAEMOLYMPII PROTEINS AND WATER UPTAKE IN FEMALE LEUCOPIIAEA MADERAE DURING TIIE SEXUAL CYCLE.

R Scheurer R Leuthold

J Insect Physiol 15(6):1067-1077 REF

Jun 1969 421 J825

Hemolymph, Insect biochemistry, Leucophaca maderae, Proteins, Reproduction, Water.

11386-69

RELATIVE EFFECTIVENESS OF CHEMICAL REPELLENTS AGAINST PHLEBOTOMUS PAPATASI (SCOPOLI).

M L Schmidt J R Schmidt

J Med Entomol 6(1):79-80 REF

30 Jan 1969 421 J828

Chemical control (insects), Insect repellents, Medical entomology, Phlebotomus.

The chemicals tested were: Chloro-diethylbenzamide, ethoxy-diethylbenzamide, diethyltoluamide, butyryl tetrahydroquinoline, Indalone, dimethyl carbate, ethyl hexanediol, and dimethyl phthalate.

11387.69

INSECTICIDE SUSCEPTIBILITIES OF PHLEBOTOMUS PAPATASI (SCOPOLI) FROM EGYPT AND THE SUDAN.

M L Schmidt J R Schmidt

J Med Entomol 6(1):87-90 REF

30 Jan 1969 421 J828

Chlorinated hydrocarbons, Dieldrin, DDT, Insect physiology, Insecticides, Medical entomology, Phlebotomus.

11388-69

COMPENSATION OF THE BACK DRIFT OF CADDIS FLY LARVAE (INSECTA, TRICHOPTERA). (GE)

H Schumacher

Naturwissenschaften 56(7):378

Jul 1969 474 N213

Aquatic insects, Hydropsyche, Insect behavior, Insect ecology, Larvae, Marine biology, Trichoptera.

11389-69

THE LIFE HISTORY AND HABITS OF CHLOSYNE FULVIA (NYMPHALIDAE).

J A Scott

Lepidopterists Soc J 22(4):237-240

1968 421 L554

Insect behavior, Insect nutrition, Mctamorphosis, Nymphalidae.

11390-69

THE DISTRIBUTION OF TWO SPECIES OF CENOCORIXA IN INLAND SALINE LAKES OF BRITISH COLUMBIA.

G G E Scudder

Entomol Soc Brit Columbia Proc 66:32-40 MAP REF

01 Aug 1969 420 B77

Corixidae, Insect ecology, Saline water, Zoogeography.

11391-69

STUDIES ON THE BITING HABITS OF CULI-COIDES IMPUNCTATUS GOETGHEBUER, C. OBSOLETUS (MEIGEN) AND C. PUNCTATUS (MEIGEN) (DIPTERA: CERATOPOGONIDAE) IN SOUTHERN ENGLAND.

M W Service

Roy Entomol Soc London Proc Ser A Gen Entomol 44(1-3):1-10 REF

22 Apr 1969 420 L84PA

Ceratopogonidae, Culicoides, Culicoides obsoletus, Insect behavior.

11392-69

RESPIRATORY RATES OF GREEN AND BLACK LARVAE OF THE ARMYWORM, LEUCANIA SEPARATA (LEPIDOPTERA: NOCTUIDAE).

A Shibazaki Y Ito

Appl Entomol Zool 4(2):100-101

Jun 1969 SB599.A6

Insect physiology, Larvae, Leucania separata, Noctuidac, Respiration.

1393-69

INTERNAL PERFUSION OF CRAYFISH GIANT AXONS: ACTION OF TANNIC ACID, DDT, AND TEA.

P G Shrager R I Macey A Strickholm

J Cell Compar Physiol 74(1):77-90 REF

Aug 1969 444.8 J822

Arthropoda, DDT, Ions, Nervous system, Physiology, Tannins, Tea.

11394-69

THE INFLUENCE OF TEMPERATURE ON THE DEVELOPMENT OF ARMYWORM, LEUCANIA SEPARATA WALKER (LEPIDOPTERA: NOCTUIDAE).

N Sinchaisri K Sogawa

Appl Entomol Zool 4(2):102-103

Jun 1969 SB599.A6

Development, Insect physiology, Leucania separata, Noctuidac, Temperature.

11395-69

STUDIES ON THE ANATOMY OF CYCLOPEL-TA SICCIFOLIO (WESTW.) (HEMIPTERA, PENTATOMIDAE, DINIDORINAE).

P B Sinha

Rev Brasil Biol 29(1):135-139

Apr 1969 442.8 R326

Insect morphology, Pentatomidae.

11396-69

STUDY OF FACTORS AFFECTING THE FOOD UPTAKE BY THE NYMPHS OF LOCUSTA MIGRATORIA MIGRATORIOIDES (ORTHOPTERA, ACRIDIDAE). II. INTERNAL FACTORS. (FR)

Y Sinoir

Entomol Exp Appl 11(4):443-449 REF

1968 421 EN895

Food habits, Insect nutrition, Insect physiology, Locusta migratoria migratorioides, Nymphs. English abstract.

11397-69

A GUIDE FOR THE APPLICATION OF DARK FIELD MICROSCOPY FOR ROUTINE DIAGNOSIS IN INSECT PATHOLOGY.

W A Smirnoff

Natur Can 96(2,MAR-APR):261-275

Apr 1969 410 N216

Diagnosis, Insect diseases, Methodology, Microscopy.

11398-69

FURTHER DATA ON THE OVIPOSITION BY THE GENUS STYLOGASTER MACQUART (DIPTERA: CONOPIDAE, STYLOGASTERINAE) UPON ADULT CALYPTRATE DIPTERA ASSOCIATED WITH ANTS AND ANIMAL DUNG.

K G V Smith

Roy Entomol Soc London Proc Ser A Gen Entomol 44(1-3):35-37

22 Apr 1969 420 L84PA

Calliphoridae, Insect behavior, Oviposition, Parasitic insects, Stylogaster.

11399-69

A SIMPLE METHOD FOR REARING DROSO-PHILA MELANOGASTER MG.

M Soehardjan

Entomol Ber 29(2):40

01 Feb 1969 420 N38B

Cassava, Drosophila melanogaster, Insect nutrition, Insect rearing.

11400 60

THE INFLUENCE OF GRAINS OF CORN AS STIMULATION FOR OVIPOSITION IN SITOTROGA CEREALELLA OLIV. (LEP., GELECHIDAE). (FR)

J Stockel Acad Sci Compt Rend Ser D Sci Nat 268(24,)1ST SEMESTER):2941-2943

SEMESTER):2941-29-16 Jun 1969 505 P21

Corn, Insect behavior, Oviposition, Sitotroga cerealclla.

11401-69

FURTHER EXPERIENCE OBTAINED IN STUDIES ON DISPERSAL FLIGHTS OF MELIGETHES AENEUS F., MARKED WITH P32 (COLEOPTERA).

L Taimr J Scdivy E Bergmannova I Hanker

Acta Ent Bohemoslov 64(5):325-332

1967 420 C33

Insect flight, Meligethes, Phosphorus isotopes, Population, Radioactive tracers.

STUDIES ON ACID PHOSPHATASE IN THE SILK GLAND OF THE SILKWORM. I. ELEC-TROPHORETIC ANALYSES OF ACID PHOSPHATASE IN THE SILK GLAND OF SAMIA CYNTHIA RICINI.

S Takahashi

Annot Zool Jap 42(1):1-7 REF

Mar 1969 410 AN79

Acid phosphatase, Electrophorcsis, Glands (insects), Insect biochemistry, Larvae, Samia cynthia ricini.

11403-69

X-RAY DIFFRACTION STUDIES ON WAXY COVERING OF SCALE INSECTS (HOMOPTERA: COCCOIDEA).

Y Tamaki S Kawai

Appl Entomol Zool 4(2):79-86

Jun 1969 SB599.A6

Coccoidea, Cuticle, Waxes, X-ray diffraction.

BLANKAARTIA **ACUSCUTELLARIS** (ACARINA, TROMBICULIDAE) AND ITS EX-TENSION TO THE AFRICAN CONTINENT. (FR)

R Taufflieb

Acarologia 11(2):284-289 REF

Jul 1969 434.8 AC1

Birds, Insect dissemination, Parasitic insects, Rodents, Trombiculidae, Zoogeography. English abstract.

11405-69

PHOSPHOLIPID SYNTHESIS DURING FLIGHT MUSCLE DEVELOPMENT IN THE AMERICAN SILKMOTH, HYALOPHORA CERCROPIA.

K K Thomas L 1 Gilbert

Compar Biochem Physiol 21(2):279-290 REF

May 1967 444.8 C73

Hyalophora cccropia, Insect biochemistry, Insect physiology, Muscles, Phospholipids, Radioisotopes.

THE NUMBER AND THE RELATION BETWEEN MEASUREMENTS OF SUCCESSIVE LARVAL INSTARS OF THE RICE MOTH, COR-CYRA CEPHALONICA STAINTON (GAL-LERIDAE, LEPIDOPTERA).

Mysore J Agr Sci 2(3):182-192 REF

1968 S19.M9

Corcyra cephalonica, Insect physiology, Measurement, Metamorphosis.

COMPARATIVE **EFFECTIVENESS** ALIPHATIC KETONES IN ELICITING ALARM BEHAVIOR IN POGONOMYRMEX BARBATUS AND P. COMANCHE.

K W Vick W A Drew E J Eisenbraun D J McGurk

Entomol Soc Amer Ann 62(2):380-381

Mar 1969 420 EN82

Formicidae, Insect behavior, Ketones, Organic compounds, Pheromones, Pogonomyrmex.

EXCISION OF GONADS FROM IMMATURE DIATRAEA.

N Virkki D W Walker L Rodriguez Entomol Soc Amer Ann 62(2):457-458

Mar 1969 420 EN82

Diatraea, Gonads, Larvac, Methodology, Tissue

A CYTOCHEMICAL STUDY ON MEROZOITES OF BABESIA OVIS AND BABESIA BIGEMINA (PIROPLASMIDEA) IN THE HEMOLYMPH OF TICKS. (GE)

G Weber K Friedhoff

Z Parasitenk 32(2):181-190 REF

12 May 1969 442.8 Z33F

Biochemistry, Babesia, Blood, Boophilus decoloratus, Boophilus microplus, Cytology, Ixodides, Piroplasmosis. English abstract.

STUDIES ON THE MORPHOLOGY OF THE PRINCIPLE SALIVARY GLAND OF MYZUS PERSICAE, (GE)

H.I. Weidemann

Entomol Exp Appl 11(4):450-454

1968 421 EN895

Cytology, Insect morphology, Myzus persicae, Salivary glands (insects). English abstract.

THE PHOSPHORYLASE SYSTEM OF THE SILKMOTH, HYALOPHORA CERCROPIA.

A W Wiens L I Gilbert

Compar Biochem Physiol 21(1):145-159 REF Apr 1967 444.8 C73

Hyalophora cecropia, Insect biochemistry, Insect metabolism, Metamorphosis, Phosphorylascs.

INFLUENCE OF TEMPERATURE ON DEVELOPMENT OF THE LESSER MEALWORM, ALPHITOBIUS DIAPERINUS (COLEOPTERA: TENEBRIONIDAE).

T H Wilson F D Miner

Kans Entornol Soc J 42(3):294-303

Jul 1969 420 K13

Alphitobius diaperinus, Development, Life cycle, Scent glands, Sex behavior, Temperature.

PROBLEMS WITH MERCURY VAPOR LIGHT TRAPS. (DU)

T H van Wisselingh

Entomol Ber 29(2):23-26

01 Feb 1969 420 N38B

Insect collecting equipment, Lepidoptera, Light traps, Mercury, Temperature, Weather, Wind. English abstract.

MATING BEHAVIOR OF 8 STORED-PRODUCT BEETLES (COLEOPTERA, DERMESTIDAE, TENEBRIONIDAE, CUCUJIDAE, AND CURCU-LIONIDAE).

D P Wojcik

Fla Entornol 52(3):171-197 REF

Sep 1969 420 F662

Cucujidae, Curculionidae, Dermestidae, Insect behavior, Sex behavior, Stored-product insects, Tenebrionidae.

11415-69

HYMENOPTERAN SYMPHYTA OF TURKEY. (FR)

F Wolf

Gembloux Inst Agron Bull Etat Ser Extraordinaire 3(3):562-565

1968 105.1 G285

Argidae, Cephidae, Cimbicidae, Surveys. Symphyta, Tenthredinidae.

RESEARCH ON THE FOREST ECOSYSTEM. SERIES C. THE GALEOBDOLON OAKS AND MESNIL-EGLISE WOOD SORREL (FERAGE). CONTRIBUTION NO. 7. HYMENOPTERA COL-LECTED IN WATER JARS. (FR

F Wolf C Ghspar C Verstraeten

Gembloux Inst Agron Bull Etat Ser Extraordinaire 3(3):566-579

1968 105.1 G285

Forests, Hymcnoptera, Insect ecology, Surveys.

HORMONAL EFFECT ON CULTIVATED IN-SECT TISSUES. I. EFFECT OF ECDYSTERONE ON CULTIVATED TESTES OF DIAPAUSING RICE STEM BORER LARVAE (LEPIDOPTERA: PYRALIDAE).

S Yagi E Kondo M Fukaya Appl Entornol Zool 4(2):70-78 REF Jun 1969 SB599.A6

Ecdysone, Ecdysterone, Insect physiology, Larvae, Pyralidac, Testes, Tissue culture.

IMMATURE STAGES OF THE FLESH FLY, PARASARCOPHAGA (THOMSONEA) ARGYROSTOMA (ROBINEAU-DESVOIDY).

J.R. Vates

Hawaii Entornol Soc Proc 19(3):433-440

Jun 1967 420 H312

Insect biology, Insect morphology, Larvae, Parasarcophaga, Pupae.

THE MORPHOLOGY OF THE SCENT GLANDS OF DYSDERCUS INTERMEDIUS DISTANT (HEMIPTERA: PYRRHOCORIDAE) AND A PRELIMINARY ANALYSIS OF THE SCENT GLAND SECRETIONS OF THE FIFTH INSTAR

A Youdeowei D H Calam

Roy Entomol Soc London Proc Ser A Gen Entomol 44(1-3):38-44 REF

22 Apr 1969 420 L84PA

Dysdercus intermedius, Insect morphology, Larvae, Scent glands, Secretion.

VIRUS-CELL STUDIES OF TIPULA IRIDESCENT VIRUS IN GALLERIA MEL-LONELLA (L.). I. ELECTRON MICROSCOPY OF INFECTION AND SYNTHESIS OF TIPULA IRIDESCENT VIRUS IN HEMOCYTES.

H B Younghusband P E Lee Virology 38(2):247-254 REF

Jun 1969 448.8 V81 Blood cells, Electron microscopy, Galleria mellonella, Insect diseases, Larvae, Tipula iridescent virus. English summary.

GENETICS

FURTHER EXPERIMENTS WITH SATURNIA PAVONIA L. (LEP., SATURNIIDAE). (DU) J P C Boot

Entomol Ber 29(3):52-54 01 Mar 1969 420 N38B

Eggs, Insect genetics, Larvae, Mortality, Saturniidae. English abstract.

GENETICAL SENSITIVITY OF THE DIFFERENT STAGES OF SPERMATOGENESIS TO METHYLMETHANESULPHONATE (MMS) IN DROSOPHILA MELANOGASTER. I. CROSSING-OVER, DELETIONS, FERTILITY.

G M Burychenko

Genetika 4(10):77-84 REF

1968 QH431.A1G4

Drosophila melanogaster, Insect genetics, Methyl methanesulfonate, Spermatogenesis. English sum-

REVISION OF THE SUBGENUS XENOHESMA MICHENER (APOIDEA: COLLETIDAE).

E M Exley

Australian J Zool 17(3):535-551

Jul 1969 410 AU73

Collctidae, Insect taxonomy.

THE CHROMOSOME NUMBERS OF SIX SPECIES OF FORMICINE ANTS.

A C F Hung

Entomol Soc Amer Ann 62(2):455-456

Mar 1969 420 EN82

Chromosomes, Cytology, Formicidae, Insect genetics.

11425-69

SELECTION FOR MATING SPEED IN DROSO-PHILA PAVANI.

S Koref-Santibanez D Brncic M Budnik

ENTOMOLOGY

11426-69

Biolagica 40:72-75

Jul 1967 442.8 B5222

Chromosomes, Drosophila, Insect behavior, Insect genetics, Insect rearing, Scx behavior, Time.

11426-69

THE SALIVARY GLAND CHROMOSOMES OF CIIIRONOMUS OPPOSITUS WALKER (DIPTERA: NEMATOCERA).

J Martin

Australian J Zool 17(3):473-486 REF

Jul 1969 410 AU73

Chironomus, Chromosomes, Insect evolution, Insect geneties, Salivary glands.

PENTOSE PHOSPHATE PATHWAY ENZYME STUDIES OF THE LZ ALLELE OF DROSO-PHILA MELANOGASTER.

E E Peeples D R Barnett C P Oliver J Hered 58(5,SEP-OCT):243-245

Oct 1967 442.8 AM3

Alleles, Chromosomes, Drosophila melanogaster, Electrophoresis, Enzymes, Insect biochemistry, Insect genetics, Pentoses, Phosphates.

THE EFFECT OF ACTINOMYCIN D PRE-TREATMENT OF DROSOPHILA TREATMENT OF DROSOPHILA
MELANOGASTER FEMALES ON THE
FREQUENCY OF DOMINATED LETHALS INDUCED BY X-RAYS ON MATURE SPERMATO-ZOIDS.

J Proust

Acad Sci Campt Rend Ser D Sci Nat 269(1, 2ND SEMESTER):86-88

07 Jul 1969 505 P21

Actinomycin D, Drosophila melanogaster, Insect genetics, Spermatocytes, X-rays.

11429-69

THE GENETICS OF EAST AFRICAN LEPIDOP-TERA--X. DANUS CHRYSIPPUS L. (LEPIDOP-TERA, DANAIDEA).

D G Sevastopulo

Entamalogist (londan) 102(1274):149-150

Jul 1969 421 EN8

Danaidae, Insect genetics, Polymorphism.

THE EFFECT OF X-IRRADIATION ON MALE MEIOSIS IN SCHISTOCERCA GREGARIA (FORSKAL). II. THE INDUCTION OF CHROMOSOME MUTATIONS.

M Westerman

Chromosoma 24(1):17-36 REF

11 Apr 1968 442.8 C46

Chromosomes, Cytogenetics, Insect genetics, Meiosis, Radiation, Schistoccrea gregaria, X-rays.

CYTOGENETICS OF THE VIATICA GROUP OF MORABINE GRASSHOPPERS. II. KANGROOS ISLAND POPULATIONS.

M J D White K H L Key M Andre J Chency Australian J Zaol 17(2):313-328 REF

Apr 1969 410 AU73

Acrididae, Cytogenetics, Insect genetics, Population, Zoogeography.

AN UNUSUAL CHROMOSOME SYSTEM IN A LEAFHOPPER (HOMOPTERA, AUCHENORR-HYNCHA).

M J Whitten

Chramasoma 24(1):37-41

11 Apr 1968 442.8 C46

Chromosomes, Cicadellidae, Cytogenetics, Insect genetics, Meiosis, Sex determination,

MEDICAL ENTOMOLOGY

11433-69

REVIEW OF CLASSICAL MALARIA CON-TROL MEASURES. (SP)

G H Bradley

Ofic Sanit Panamer Bol 66(3):187-199 MAP REF

Mar 1969 449.9 P192B

Anopheles freeborni, Anopheles quadrimaculatus, Chemical control (insects), Chlorinated hydrocarbons, DDT, Insect traps, Insect vectors, Malaria, Medical entomology, Pyrethrum, Zoogcography. English, Portuguese and French sum maries.

BIBLIOGRAPHY

ENVENOMIZATION BY THE SPIDER LYCOSA MIAMI WALLACE.

R H Grothaus L W Teller J Med Entomol 5(4):500

30 Oct 1968 421 J828

Humans, Lycosa miami, Medical entomology, Spider venom.

11435-69

MEDICAL AND VETERINARY ENTOMOLOGY IN THE USSR.

A V Gutsevich V P Derbeneva-Ukhova N K Shipitsyna

Entomal Rev 47(21APR-JUN):175-185 REF Jun 1968 421 R322AE

Acarina, Diptera, History, Insect control, Insect pests, Insect vectors, Medical entomology, Siphonaptera, Surveys. Russian journal-Entomologicheskoye Obozreniye, p. 298-316.

EXPERIMENTAL NECROTIC ARACHNIDISM ON RABBITS CAUSED BY THE BITES OF LOX-OSCELES UNICOLOR (ARANEAE: SCYTODIDAE).

B Keh

J Med Entamol 5(4):495-497

30 Oct 1968 421 J828

Loxosceles unicolor, Medical entomology, Rabbits, Scytodidac, Spider venom.

11437-69

PATHOGENICITY OF TRYPANOSOMA RANGELLI FOR RHODNIUS PROLIXUS STAL IN NATURE (HEMIPTERA: REDUVIIDAE) (KINETOPLASTIDA: TRYPANOSOMATIDAE).

C.I. Marinkelle

J Med Entomol 5(4):497-499

30 Oct 1968 421 J828

Insect vectors, Medical entomology, Parasitism, Reduviidae, Rhodnius prolixus, Trypanosomatidae.

INCIDENCE OF ARTHROPOD-BORNE ENCEPHALITIC DISEASES IN MEXICO. (SP)

Ofic Sanit Panamer Bal 66(2):106-111 Feb 1969 449.9 P192B

Arboviruses, Arthropoda, Encephalitis, Human diseases, Insect vectors, Surveys. English, Portuguese and French summaries.

CROP PROTECTION

11439-69

POLYURETHANE COATING: TECHNIQUE FOR THE PRESERVATION OF DISEASED PLANT MATERIAL.

R M Bebbington M M Burrell Bull British Mycol Soc 2(2):75

Aug 1968 QK600.B7

Mcthodology, Plant diseases, Plant protection, Urethans

11440-69

OZARK RANGE AND WILDLIFE PLANTS.

H S Crawford C L Kucera J H Ehrenreich U S D A Agr Handb (356):236P

Jan 1969 1 AG84AH

Climate, Plant geography, Plant taxonomy, Ranges, Soil series, Vegetation.

PROCEDURES AND MEDIA FOR OBTAINING TISSUE CULTURES OF 12 CONIFER SPECIES.

A E Harvey J L Grasham Can J Bot 47(4):547-549 REF Apr 1969 470 C16C

14

Coniferae, Culture media, Methodology, Plant propagation, Tissues.

PRODUCTION OF NEW PHYSIOLOGIC RACES IN PUCCINIA STRIIFORMIS (YELLOW RUST) BY HETEROKARYOSIS.

R Little J G Manners

Nature 213(S074):422

28 Jan 1967 472 N21

Grain, Plant genetics, Plant physiology, Puccinia striiformis, Stripe rust.

11443.69

INDIAN FIELD CROPS.

D P Patel

Purushattamdas Jivabhai Patel, Vasnabuzarg, India 260P REF

Aug 1966 SB187.I4P3

Farm management, Fertilizers, Field crops, Fruit, Herbicides, Labor productivity, Manures, Plant geography, Plant protection.

11444-69

TISSUE CULTURE FROM BULBIL OF DIOSCOREA SANSIBARENIS.

A N Rao

Can J Bat 47(4):565-566 REF

Apr 1969 470 C16C

Amino acids, Plant physiology, Tissue eulture, Vitamins, Yams.

INTERRELATIONSHIP OF ROOT-KNOT NE-MATODE LEAF CURL VIRUS IN TOMATO.

G Swarup B K Goswami

Indian J Exp Bial 7(1):64-65

Jan 1969 442.8 IN2

Leaf curl, Meloidogyne incognita, Plant diseases, Plant nematodes, Plant physiology, Tomatoes, Virus diseases (plants).

11446-69

PLANT PATHOLOGY.

J C Walker

McGraw-Hill Book Ca., New Yark, N. Y. 819P RFF

1969 SB731.W3

Bacterial discases (plants), Chemical control (plant diseases), Cultural control (plant diseases), Environment, Fungus diseases (plants), Parasitism, Plant disease resistance, Plant nematodes, Plant physiological diseases, Virus diseases (plants).

DISEASES

11447-69

WOOD ROT OF FRUIT TREES.

Anonymous

Agr Gaz New S Wales 80(4):208-212

Apr 1969 23 N472

Corticium salmonicolor, Cultural control (plant discases), Cytospora, Dothiorella, Fruit, Polyporus, Polyporus versicolor, Rot, Trees, Wood destroying fungi.

11448-69

PRINCIPAL DISEASES OF TOMATOES, LICOPERSICUM ESCULENTUM, L. (SP)

V A Arrieta Fitafila 60(21,OCT-DLC):37-43

Dec 1968 421 F55 Bacterial diseases (plants), Chemical control (plant diseases), Fungus diseases (plants), Sanita-

tion control (pests), Tomatoes.

PRINCIPAL DISEASES AFFECTING PINUS RADIATA IN CHILE.

S H Autter

China Plant Protect Bull 15(1):17-18

Feb 1967 464 9 C47

Barley, Clavieeps purpurea, Pinus radiata.

11450-69

VARIATION IN TRICARBOXYLIC ACID CYCLE ENZYMES DURING PATHOGENESIS IN COTTON PLANT.

R U Bai E R B Shanmugasundaram Indian J Exp Biol 7(1):40-42 REF

Jan 1969 442.8 IN2

Cotton, Enzymcs, Fungus diseases (plants), Fusarium, Plant biochemistry, Plant disease resistance, Tricarboxylic acid cycle.

11451-69

LEAF RUST RESISTANCE OF SOME EUROPE-AN VARITIES OF WHEAT.

P Bartos D J Samborski P L Dyck

Can J Bot 47(4):543-546

Apr 1969 470 C16C

Crop varieties, Leaf rust, Plant disease resistance, Plant genetics, Puccinia recondita, Wheat.

11452-69

DEVELOPMENTAL ANATOMY OF A CORAL-LOID GALL ON IPOMOEA PES-TIGRIDIS LINN..

K Bedi H Singh

Marcellia 35(1-2,MAR-JUN):65-76

Jun 1968 421 M33

Albugo, Fungus diseases (plants), Ipomoea, Plant galls, Plant morphology, Plant physiology.

11453-69

FROND-DROP: AN UNRECORDED DISEASE OF COCONUT OF UNKNOWN ETIOLOGY IN THE BICOL REGION OF THE PHILIPPINES.

A E Bigornia W C Price E P Rillo China Plant Protect Bull 15(1):6-9 Feb 1967 464.9 C47

Coconuts, Plant diseases, Zoogeography.

11454-69

CITRUS TRISTEZA IN GUYANA.

S Bisessar

China Plant Protect Bull 16(3):45-48

Jun 1968 464.9 C47

Citrus, Host indexing (plants), Tristeza, Virus diseases (plants).

11455-69

FOREST PATHOLOGY.

D A Burdekin

Great Brit Forest Comm Rep Forest Res 108-111 1968 99.9 G795RE

Bacterial canker, Bacterial diseases (plants), Biological control (plant diseases), Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Pesticides, Phytophthora, Temperature, Tree diseases.

11456-69

SOME ASPECTS OF THE SUMMER AND WINTER ECOLOGY OF WHEAT RUST FUNGI. J R Burleigh A A Schulze M G Eversmeyer

Plant Dis Rep 53(8):648-651 MAP REF

Aug 1969 1.9 P69P

Plant ecology, Puccinia graminis tritici, Puccinia recondita, Rust, Wheat, Winter, Zoogeography.

11457-69

THE ROLE OF SCLEROTIAL RIND IN THE GERMINABILITY OF SCLEROTIA OF SCLEROTIUM ROLFSII.

1 Chet

Can J Bot 47(4):593-595

Apr 1969 470 C16C

Degradation, Fungus cultures, Inhibitors, Sclerotium rolfsii, Seed germination.

11458-69

A SURVEY OF VIRUSES IN CULTIVATED STRAWBERRIES IN OREGON AND WASHINGTON.

R H Converse

Plant Dis Rep 53(8):610-614 REF

Aug 1969 1.9 P69P

Strawberries, Surveys, Virus diseases (plants).

11459-69

DIMORPHISM IN GALLS CAUSED BY MIKIOLA FAGI HARTIG. (DIPT. CECID.) ON FAGUS SILVATICA L. ANDROCECIDY AND GYNOCECIDY. (FR)

R Coutin J Riom

Acad Sci Compt Rend Ser D Sci Nat 265(14, 2ND SEMESTER):975-978 REF

02 Oct 1967 505 P21

Fagus sylvatica, Mikiola fagi, Plant galls, Polymorphism, Sex.

11460-69

MODERATE TOLERANCE OF BEAN VARIETIES TO BROWN SPOT BACTERIUM (PSEUDOMONAS SYRINGAE).

D P Coyne M L Schuster

Plant Dis Rep 53(8):677-680 Aug 1969 1.9 P69P

Bacterial diseases (plants), Bcans, Brown spot, Plant breeding, Plant disease resistance, Pseudomonas syringae.

11461-69

PROTECTIVE SPRAYS INHIBIT SECONDARY SPREAD OF COMMON BACTERIAL BLIGHT IN SNAP BEANS.

L E Dickens N Oshima

Plant Dis Rep 53(8):647 Aug 1969 1.9 P69P

Agrimycin, Bacterial diseases (plants), Beans, Chemical control (plant diseases), Spraying, Xanthomonas phaseoli.

11462-69

REPORT OF THE 1965 WEST VIRGINIA OAK WILT PROGRAM.

G R Douglass

(130):7P

1965 SB608.O115W4

Ceratocystis fagacearum, Fungus diseases (plants), Quercus, Reports, Tables (data), Wilt.

11463-69

ECOLOGY OF SLASH PINE STUMPS: FUNGAL COLONIZATION AND INFECTION BY FOMES ANNOSUS.

C H Driver J H Ginns

Forest Sci 15(1):2-10 REF

Mar 1969 99.8 F7632

Borax, Fomes annosus, Peniophora gigantea, Pinus elliottii, Plant ecology, Temperature, Trichoderma, Wood destroying fungi.

11464.69

PESTS AND DISEASES OF THE DATE PALM. PART II. DISEASES.

H S Elmer J B Carpenter L J Klotz

China Plant Protect Bull 16(6):97-110 REF

Dcc 1968 464.9 C47

Cultural control (plant diseases), Dates, Fungus diseases (plants), Fusarium oxysporum, Insect pests, Plant disease resistance, Plant diseases, Surveys, Zoogcography.

11465-69

PHYTOPHTHORA ROOT ROT OF ALFALFA IN THE UPPER MIDWEST.

F I Frosheiser

Plant Dis Rep 53(8):595-597

Aug 1969 1.9 P69P

Alfalfa, Fungus diseascs (plants), Phytophthora megasperma, Plant diseases, Rot, Soil microorganisms

11466-69

FORM AND MECHANISM OF TRANSMISSION OF PLANT VIRUSES. TRANSMISSION OF VIRUSES BY FUNG1. (GE)

W H Fuchs

Berlin Biol Bundesanst Land-forstwirtsch Mitt (128):39-55 REF

Jul 1968 410.9 G31M

Bibliography, Fungi, Nccrosis, Olpidium, Plant disease transmission, Polymyxa graminis, Tobacco, Virus diseases (plants).

11467-69

SECONDARY MECHANISMS OF ANTIFUNGAL ACTION OF SUBSTITUTED 8-QUINOLINOLS. II. SUBSTITUTED QUINOLINES.

H Gershon R Parmegiani M W McNcil Y J Hinds Boyce Thompson Inst Contrib 24(6,JAN-

MAR):149-150

Mar 1969 451 B69

Aspergillus niger, Aspergillus oryzae, Chelation, Chemistry, Fungicides, Fungus diseases (plants), Hydrolysis, Myrothecium, Quinolinol, 8-, Trichoderma virde, Trichophyton mentagrophytes.

A series of substituted quinolines that contained only hydrogen in the 8-position were studied in order to establish whether or not fungicidal activity was due to hydrolysis of the methoxy group or whether chelation was the major mechanism of fungitoxication.

11468-69

INVESTIGATIONS ON MYCOPLASMA-LIKE MICROORGANISMS IN THE JASSID VECTOR AND IN THE PLANTS INFECTED BY YELLOW VIRUSES. (FR

J Giannotti C Vago G Devauchelle G Marchoux Entomol Exp Appl 11(4):470-474 REF 1968 421 EN895

Cicadellidae, Clover, Electron microscopy, Insect vectors, Mycoplasma, Phyllody, Plant diseases, Stolbur.

1469-69

AN EXAMINATION OF FUNGI ASSOCIATED WITH GROUNDNUT PODS.

G A Gilman

Trop Sci 11(1):38-48 REF

1969 26 T756

Aspergillus flavus, Fungus diseases (plants), Peanuts, Surveys.

11470-69

BACTERIAL WILT IN MALAYA.

D A Griffiths W L Lim

Plant Dis Rep 53(8):597-600

Aug 1969 1.9 P69P Bacterial wilt, Peanuts, Plant diseases, Plant physiology, Pseudomonas solanacearum.

11471-69

CROP DISEASE REVIEW--COTTON.

A D Hanna

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):186-193 MAP

Jun 1969 423.92 G798

Bacterial discases (plants), Chemical control (plant discases), Cotton, Fungus discases (plants), Plant discases, Plant geography, Reviews, Virus discases (plants).

11472-69

MICROBIOLOGICAL PROPERTIES OF CAPTAN. (GE)

J C Hansen

Z Lebensmittel-untersuchung -forsch 139(6):378-388 REF

02 Jun 1969 384 Z39

Bacillus licheniformis, Captan, Chlorinated hydrocarbons, Fungicides, Hydrogen-ion concentration, Microbiology, Spectrophotometry.

11473-69

VARIETAL DIFFERENCES IN OAT BLUE DWARF VIRUS RESISTANCE AND SYMPTOM EXPRESSION.

A S Heagle M B Moore

Plant Dis Rep 53(8):664-666

Aug 1969 1.9 P69P

Bluc dwarf (oats), Oats, Plant disease resistance, Plant diseases, Plant morphology, Virus diseases (plants).

11474-69

A TECHNIQUE FOR RAPID STANDARDIZATION OF CONIDIAL SUSPENSIONS OF CERATOCYSTIS ULMI.

W K Hock B R Roberts D E Wuertz Plant Dis Rep 53(8):640-641

CROP PROTECTION

11475-69

Aug 1969 1.9 P69P

Ceratocystis ulmi, Conidia, Density, Fungi, Methodology, Mycology.

11475-69

BASAL CANKER OF WHITE PINE.

D R Houston

Forest Sci 15(1):66-83 REF

Mar 1969 99.8 F7632

Etiology, Formica fusca, Fungus diseases (plants), Fusarium, Pinus strobus, Plant injurics, Verticicladiella.

11476-69

PINUS SABINIANA AND PINUS MURICATA AS HOSTS FOR DIPLODIA PINEA IN CALIFOR-NIA.

R S Hunt

Plant Dis Rep 53(8):675-677 REF

Aug 1969 1.9 P69P

Fungus diseases (plants), Macrophoma pinea, Pinus muricata, Pinus sabiniana.

11477-69

SIGNIFICANT SPECIMENS OF ELSINOE AND SPHACELOMA TAKEN BY U. S. PLANT QUARANTINE INSPECTORS 11.

A E Jenkins A J Watson

Plant Dis Rep 53(8):672-675 REF

Aug 1969 1.9 P69P

Elsinoe, Fungus diseases (plants), Plant quarantine, Sphaceloma, Surveys.

11478-69

EFFECT OF PLANTING DATES ON THE IN-CIDENCE AND SEVERITY OF CORN VIRUS DISEASES.

A J Keaster M S Zuber M L Fairchild P J Loesch Agron J 61 (3, MAY-JUN): 363-364

Jun 1969 4 AM34P

Corn, Mosaic, Planting date, Stunt, Virus diseases (plants).

A planting date study was conducted for a three year period to determine the effects on the severity and incidence of certain symptoms associated with maize dwarf mosaic or corn stunt. Results indicated that the disease incidence and severity increased with each delay in planting.

11479-69

ASSOCIATION OF PEPPER RINGSPOT VIRUS (BRAZILIAN TOBACCO RATTLE VIRUS) AND HOST CELL MITOCHONDRIA.

E W Kitajima A S Costa

J Gen Virol 4(2):177-181 REF

Mar 1969 QR360.A1J6

Mitochondria, Redpeppers (vegetable), Ring spot, Virology, Virus discases (plants).

ULTRASTRUCTURE OF POTATO AND DATU-RA STRAMONIUM PLANT CELLS INFECTED WITH POTATO VIRUS X.

F E Kozar Y M Sheludko

Virology 38(2):220-229 REF

Jun 1969 448.8 V81

Cells, Datura stramonium, Potatoes, Virus diseases (plants), Virus X. English summary.

CHERELLE WILTING IN COCOA INDUCED BY TIBA.

J Krekule

Trop Agr &st Augustine & 46(1):69-72 REF Jan 1969 26 T754

Cherelle wilt (cacao), Chloroethyl)trimcthylam-monium chloride, (2-, Cocoa, Triiodobenzoic acid, 2,3,5-. English summary.

INTERIM REPORT ON VIRUS DISEASES OF PAWPAW IN EAST AFRICA.

H Y Kulkarni F M L Sheffield

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):184-185

Jun 1969 423.92 G798

Caricaccac, Plant diseases, Virus diseases (plants).

11483-69

FROM THE CLOVER TO THE STRAWBERRY PLANT: TRANSMISSION OF A VIRUS DIS-EASE BY CICADELLIDAE. (FR)

BIBLIOGRAPHY

P Lhcrault

Phytoma 20(195):41

Feb 1968 464.8 P563

Acucephalus nervosus, Cicadellidae, Clover, Euscelis plebejus, Plant diseasc transmission, Strawberries, Virus discases (plants).

A NEW CONTRIBUTION TO THE USE OF DAMP SULPHUR AGAINST THE MILDEW OF GRAPES: EXPERIMENTAL RESULTS. (FR)

P Malbrunot

Phytoma 20(195):31-33

Feb 1968 464.8 P563

Chemical control (plant diseases), Dosage, Fungicides, Fungus diseases (plants), Grapes, Mildew, Sulfur, Tables (data).

UREDO HAMELIAE--A NEW REPORT FOR THE CONTINENTAL UNITED STATES.

F D Matthews

Plant Dis Rep 53(8):656

Aug 1969 1.9 P69P

Fungus diseases (plants), Plant diseases, Rubiaceae, Urcdo.

11486-69

RESEARCH ON FUSARIUM DISEASE. 1V. FUSARIUM TAXONOMY. (FR)

C M Messiaen R Cassini

Ann Epiphyt 19(3):387-454 REF

1968 464.9 F84AN

Bibliography, Fungus diseases (plants), Fusarium, Habitats, Plant taxonomy. English abstract.

11487-69

EVALUATION OF NINE FUNGICIDES IN CON-TROLLING FLAG SMUT OF WHEAT.

P B Metcalfe J F Brown

Plant Dis Rep 53(8):631-633 REF

Aug 1969 1.9 P69P

Chemical control (plant diseases), Fungicides, Plant physiology, Urocystis agropyri, Wheat.

STUDIES ON LOSSES IN WHEAT YIELD DUE TO ARTIFICIAL EPIDEMIC OF BLACK RUST OF WHEAT AT DIFFERENT STAGES OF GROWTH.

A B Mishra S P Singh S M Sharma

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):232-234

Jun 1969 423.92 G798

Black rust, Crop losses, Plant disease resistance, Plant physiology, Wheat.

11489-69

WHITE ROT OF ONION IN LUCKNOW.

K G Mukerji J P Tewari

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):235-236

Jun 1969 423 92 G798

Fungus diseases (plants), Humidity, Onions, Plant diseases, Sclerotium rolfsii.

11490-69

ACQUISITION OF MAIZE DWARF MOSAIC VIRUS BY THE GREENBUG, SCHIZAPHIS GRAMINUM.

L R Nault R H E Bradley

Entomol Soc Amer Ann 62(2):403-406 REF Mar 1969 420 EN82

Corn, Discase transmission, Dwarf discase, Insect vectors, Mosaic, Schizaphis graminum.

11491-69

OCCURRENCE OF FUNGI ANTAGONISTIC TO PORIA WEIRII IN A DOUGLAS-FIR FOREST SOIL IN WESTERN OREGON.

E E Nelson

Forest Sci 15(1):49-54

Mar 1969 99.8 F7632

Biology, Cephalosporium, Penicillium, Poria weirii, Pseudotsuga menziesii, Soil fungi, Surveys, Trichoderma viride.

ELECTRON MICROSCOPIC STUDIES ON THE REPLICATIVE FORM OF ALFALFA MOSAIC VIRUS RNA. (FR)

A Nicolaieff L Hirth L Pinck

J Gen Virol 4(2):283-286 REF

Mar 1969 QR360,A1J6

Alfalfa, Chromatography, Electron microscopy, Mosaic, RNA viruses, Virology. English summary.

THE STRUCTURE OF TOBACCO MOSAIC VIRUS FROM BASE ANALOGUE TREATED TOBACCO LEAVES.

A Nomura T Taniguchi T Hirai

Jap J Microbiol 13(2):193-197

Jun 1969 448 8 1273

Chemical structure, Chromatography, Mosaic, Plant biochemistry, Thiouracil, Tobacco, Tobacco mosaic virus.

EFFECT OF MINERAL NUTRITION ON THE FUSARIUM BROWN FOOT-ROT OF WHEAT.

P E Onuorah Plant Soil 30(1):99-104 REF

Feb 1969 450 P696

Brown foot rot, Fungus diseases (plants), Fusarium, Minerals, Plant nutrition, Wheat.

11495-69

PRINCIPAL DISEASES OF ROSES, ROSA SPP. (SP)

R M 1 Orozco

Fitofilo 60(21,OCT-DEC):29-34

Dec 1968 421 F55

Captan, Chemical control (plant diseases), Fungicides, Fungus diseases (plants), Rosa, Zineb.

11496-69

A SURVEY OF PAWPAW DEBILITY IN TANZANIA. W T H Peregrine

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):177-183

Jun 1969 423.92 G798 Ascochyta, Caricaceae, Fungus diseases (plants), Meloidogyne javanica, Moniliales, Pythium, Sur-

SUSCEPTIBILITY OF HEVEA RUBBER CLONES TO LEAF DISEASE CAUSED BY TWO SPECIES OF PHYTOPHTHORA.

PNR Pillay KH Chee

China Plant Protect Bull 16(3):49-51

Jun 1968 464.9 C47

Fungus diseases (plants), Hevea, Leaf diseases, Phytophthora meadii, Phytophthora palmivora.

STIMULATION OF **BIOSYNTHESIS** MOSAIC TOBACCO VIRUS BY AN-TIMETABOLITES.

E Sander

J Gen Virol 4(2):235-244 REF

Mar 1969 QR360.A1J6

Antimetabolites, Biosynthesis, Mosaic, Tobacco, Virology, Virus diseases (plants).

STUDIES ON THE FUNGICIDAL CONTROL OF RICE BLAST.

S N De S Seneviratne

Trop Agr &peradeniya& 123(3-4,JUL-DEC):85-98 Dec 1967 26 T751

Blast, Chemical control (plant diseases), Dithiocarbamates, Ferham, Fungicides, Mcrcury compounds, Organotin compounds, Rice, Triphenyltin acetate.

Organomercury, organotin and dithiocarbamate fungicides were evaluated and compared for control of rice blast in Ccylon. Verdasan (organomercury), Antracol (dithiocarbamatc) and Brestan 60 (fentin acetate) were all more effective than the currently recommended compoundfermate (ferham).

11500-69

EFFECTS OF APHID-TRANSMITTED VIRUSES ON THE STRAWBERRY NORTHWEST AND COLUMBIA. **CULTIVARS**

C H Shanks P C Crandall Plant Dis Rep 53(8):639-640 Aug 1969 1.9 P69P

Chaetosiphon fragaefolii, Crinkle, Crop yields, Mottle, Plant diseases, Strawberries, Virus diseases (plants), Yellow edge.

11501-69

SUSCEPTIBILITY OF TEA CLONES TO COL-LAR AND BRANCH CANKER DISEASE (PHOMOPSIS THEAE).

N Shanmuganathan R L De Silva Ceylon Tea Res Inst Tea Quart 39(4):92-93

Dec 1968 68.18 C33

Canker, Fungus diseases (plants), Phomopsis, Plant disease resistance, Plant diseases, Tea.

A NEW RECORD OF PESTALOTIOPSIS PAL-MARUM (COOKE) STEYAERT ON CHILLIES (CAPSICUM ANNUUM. L).

K Sivaprakasam N Shanmugam C V Govindaswamy C S Krishnamurthy Madras Agr J 56(1):39-40 Jan 1969 22 M262

Chilis, Coconuts, Fungus diseases (plants), Pestalotiopsis.

ROOT SURFACE FUNGI OF CROTALARIA.

K Sivasithamparam C B Sulochana

Plant Soil 30(1):34-40 Feb 1969 450 P696

Fungi, Fungus cultures, Microscopy, Mosaic, Plant physiology, Roots, Sunn crotalaria, Virus diseases

11504-69

APPLICATION OF IMMUNOPRECIPITATION IN AGAR GEL FOR THE SEROLOGICAL TYP-ING OF SOYBEAN ROOT-NODULES.

V Skrdleta

Folia Microbiol 14(1):32-35 REF

1969 448.3 C332

Bacterial diseases (plants), Immunodiagnosis, Methodology, Plant diseases, Serodiagnosis, Soybeans.

11505-69

STEM PITTING OF YELLOW BUD MOSAIC VIRUS--INFECTED PEACHES.

S H Smith J A Traylor

Plant Dis Rep 53(8):666-667 REF

Aug 1969 1.9 P69P

Peaches, Plant diseases, Plant morphology, Stem pitting, Surveys, Virus diseases (plants), Yellow bud mosaic.

11506-69

THE DISEASES OF ALFALFA, MEDICAGO SATIVA L.

M O Solis

Fitofilo 60(21,OCT-DEC):44-48

Dec 1968 421 F55

Alfalfa, Fungus diseases (plants), Plant disease resistance, Plant nutrition.

11507-69

PLANT VIRUSES. THEIR CHARACTERISTICS AND IDENTIFICATION. (FR

G Sommereyns

J. Duculot S.A., Gembloux, Belgium 345P REF 1967 SB736.S6

Anaphylaxis, Biochemistry, Complement fixation, Diagnosis, Insect vectors, Plant disease resistance, Plant disease transmission, Plant physiology, Serological tests, Virus diseases (plants).

11508-69

THE EFFECT OF LOW DOSES OF GAMMA RAYS UPON THE RATE OF INFECTION OF PLANTS WITH GRASS MILDEW (ERYSIPHE GEAMINIS DC). I. (POL)

S Starzycki J Pala E Konopko

Hodowla Roslin Aklimatyzacja Nasiennictwo 11(1):103-108 REF

1967 64.8 H66

Barley, Erysiphe graminis, Fungus diseases (plants), Gamma rays, Plant disease transmission, Seedlings. English and Russian summaries.

11509-69

CONTRIBUTION TO THE ETIOLOGY OF SOME GALLS FOUND IN ISRAEL.

M Sternlicht

Marcellia 35(1-2,MAR-JUN):45-61 REF

Jun 1968 421 M33

Cynipidae, Gall-making insects, Insect morphology, Plant galls, Quercus.

11510-69

FOREST MICROFUNGI. I. AMPULLIFERINA PERSIMPLEX N. GEN., N. SP. ON LEAVES OF LABRADOR TEA.

B C Sutton

Can J Bot 47(4):609-616

Apr 1969 470 C16C

Ampulliferina persimplex, Forests, Fungus diseases (plants), Leaves, Microorganisms, Tea.

11511-69

MYCOFLORA RESEARCH IN THE SUR-ROUNDINGS OF THE COMMUNITY OF AL-BAC. (RUM)

E Szasz S Mocan

Cluj Univ Babes Bolyai Stud Ser Biol 13(1):45-50 REF

1968 442.9 C62

Biology, Fungi, Fungus diseases (plants), Mycoflora, Nurseries, Plant protection, Zoogeography. French and Russian summaries listing of 75 fungi.

11512-69

REACTION OF DENT CORN INBREDS AND HYBRIDS TO ACERIA TULIPAE AND WHEAT STREAK MOSAIC VIRUS.

J B Tunac C M Nagel Plant Dis Rep 53(8):662-664

Aug 1969 1.9 P69P

Aceria tulipae, Dent corn, Mosaic, Plant breeding, Plant disease resistance, Plant diseases, Virus diseases (plants).

11513-69

EFFECT OF SEED AND ROOT EXUDATES ON THE GROWTH OF PHASEOLI VAR. FUSCANS. XANTHOMONAS

V Vancura M Stanek A Hanzlikova

Folia Microbiol 14(1):23-26

1969 448.3 C332

Bacterial diseases (plants), Barley, Beans, Physiology, Plant diseases, Roots, Secretions, Seeds, Wheat, Xanthomonas phaseoli.

NUTRITIONAL REQUIREMENTS XANTHOMONAS PHASEOLI VAR. FUSCANS.

V Vancura A Hanzlikova Folia Microbiol 14(1):27-31

1969 448.3 C332

Culture media, L-glutamic acid, Nutrition, Physiology, Saccharides, Tissue culture, Xanthomonas phaseoli.

11515-69

INOCULATION.

J M Waterson

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):171-176 REF

Jun 1969 423.92 G798

Animal vectors, Bacterial diseases (plants), Dusting, Fungus diseases (plants), Immunization, Methodology, Spraying. 11516-69

OBSERVATIONS FREEZE-ETCHING ON TOBACCO LEAVES INFECTED WITH TOBAC-CO MOSAIC VIRUS.

J H M Willison E C Cocking

J Gen Virol 4(2):229-233 REF

Mar 1969 QR360.A1J6

Mosaic, Tobacco, Virology, Virus diseases

11517-69

SUNFLOWER, NEW HOST OF COLEOSPORIUM MADIA.

C E Yarwood

Plant Dis Rep 53(8):648

Aug 1969 1.9 P69P

Coleosporium, Fungus diseases (plants), Madia sativa, Pinus radiata, Plant diseases, Plant ecology,

11518-69

EPIDEMIC DECLINE OF BREADFRUIT IN THE PACIFIC ISLANDS.

P Zaiger G A Zentmyer

China Plant Protect Bull 15(2):25-29

Apr 1967 464.9 C47

Breadfruit, Dieback, Fungus diseases (plants), Fusarium solani, Phomopsis, Pythium, Surveys.

ARTHROPODS

11519-69

COCCIDS (COCCOIDEA: HOMOPTERA: IN-SECTA) AFFECTING FRUIT PLANTS IN BIHAR (INDIA).

S M Ali

Bombay Natur Hist Soc J 65(1):120-137 REF

Apr 1968 513 B63

Coccoidea, Fruit, Surveys.

11520-69

THE PHYTOPHAGOUS FAUNA OF A MIS-TLETOE (LORANTHUS LONGIFLORUS DESR.: LORANTHACEAE) IN WEST PAKISTAN.

G M Baloch A I Mohyuddin

Weed Res 9(1):62-64

Mar 1969 79.8 W412

Loranthus, Phytophagous insects, Phytophagous mites, Surveys.

T1521-69

FOREST CHARACTER AND VULNERABILITY OF BALSAM FIR TO SPRUCE BUDWORM IN MINNESOTA.

H O Batzer Forest Sci 15(1):17-25 MAP REF

Mar 1969 99.8 F7632 Abies balsamea, Choristoneura fumiferana, Forest surveys, Picea glauca, Picea mariana, Plant injuries, Stand density.

11522-69

SOLUBLE AMINE AL EVIDENCE OF SOLURIE HISTOCHEMICAL ABUNDANCE PRODUCTS IN THE NUTRIENT TISSUES OF GALLS. (FR)

R Bronner J Meyer

Marcellia 35(1-2, MAR-JUN):105-110 REF Jun 1968 421 M33

Amines, Aulax glechomae, Cecidomyiidae, Gallmaking insects, Glechoma heder Histochemistry, Plant biochemistry, Quercus. hederacea,

THE EFFECT OF OTHER NEW INSECTICIDES IN THE CONTROL OF BLACK GRUBS OF CITRUS. (POR)

R Calza N S Filho A Orlando Biologico 34(12):262-264

Dec 1968 442.8 B529 Chemical control (insects), Citrus, Insecticides, Mecarbam, Toxoptera citricida.

CROP PROTECTION

BIBLIOGRAPHY

11524-69

11524-69

BIOLOGICAL STUDY OF PHORACANTHA BIOLOGICAL STUDY OF PHORACANTHA SEMIPUNCTATA F. (COLEOPTERA; CERAM-BYCIDAE, XY LOPHAGE) SPECIFIC TO THE EUCALYPTUS IN TUNISIA, AND RESEARCH ON THE VITALITY AND ADAPTATION OF ITS (EUCALYPTUS') OILS. (FR)

C Chararas

Paris Acad Agr France Compt Rend Hebd Seances 55(1):47

15 Jan 1969 14 P215BC

Cerambycidae, Eucalyptus, Insect control, Oils, Plant physiology.

11525-69

SHOT-HOLE BORER CONTROL RECOMMEN-DATIONS--1969.

W Danthanarayana

Ceylon Tea Res Inst Tea Quart 39(4):115-118 Dec 1968 68.18 C33

Chemical control (insects), Chlorinated hydrocarbons, Heptachlor, Insecticide application, Insecticides, Tea, Xyleborus.

INVESTIGATION INTO THE ORIENTATION OF OF THE ALATE SACCHIPHANTES (CHERMES) ABIETIS (L.) IN RELATION TO GALLS AND SHOOTS. (GE)

J P Ewert

Zool Beitr 13(1):1-27 REF

1967 410 Z753

Adelges abietis, Host relationships, Insect behavior, Phototropism, Picea, Plant galls, Statistical analysis.

11527-69

STATUS AND CONTROL OF THE CORN STEM WEEVIL IN THE FLORIDA EVERGLADES.

M J Janes W G Genung Fla Entomol 52(3):137-140

Sep 1969 420 F662

Carbamates, Carbofuran, Chemical control (insects), Chlorinated hydrocarbons, Corn, DDT, Hydroxy-N-methyl-cis-crotonamide dimethyl phosphate, 3-, Hyperodes humilis, Insecticides, Phosphates.

THE CAMPAIGN AGAINST THE CITRUS BLACKFLY. ALEUROCANTHUS WOGLUMI ASHBY. (SP)

E J Jimenez T R Carrillo

Fitofilo 60(21,OCT-DEC):23-28

Dec 1968 421 F55

Aleurocanthus woglumi, Biological control (insects), Citrus, Insect control, Predaceous insects, Sanitation control (insects), Surveys.

STUDIES OF THE BYRON BOG IN SOUTHWESTERN ONTARIO XXXV. INSECTS REARED FROM GALLS FROM THE WOODED SLOPES OF THE BOG.

W W Judd

Marcellia 35(1-2,MAR-JUN):77-81 REF

Jun 1968 421 M33

Bogs, Gall-making insects, Insect rearing, Insects, Plant galls, Surveys.

11530-69

ON THE KNOWLEDGE OF THE RELATION-SHIP OF THE COCCINELLIDAE TO PINE GROVES (PINUS SILVESTRIS L.). (GE)

B Klausnitzer

Acta Ent Bohemoslov 64(1):62-68 REF

1967 420 C33

Coccincllidae, Insect behavior, Insect ecology, Insect nutrition, Pinus sylvestris, Population. Czech

11531-69

EFFECT OF CONE FEEDING BY LEPTOGLOS-SUS OCCIDENTALIS ON PONDEROSA PINE SEED DEVELOPMENT.

S L Krugman T W Koerber Forest Sci 15(1):104-111 Mar 1969 99.8 F7632

Coreidae, Leptoglossus occidentalis, Pinc concs, Pinus ponderosa, Seeds.

11532-69

PROFIT BY PEST CONTROL IN CSH-I AND CSH-2 SORGHUMS.

J P Kulshreshtha S B Rao V S Singh

Indian Farming 18(10):34-35

Jan 1969 22 IN283

Atherigona, Carbaryl, Chemical control (insects), Chilo zonellus, Contarinia sorghicola, Crop yields, Endrin, Hybrids, Noctuidae, Organophosphorus compounds, Phorate, Plant disease resistance, Sorghum, Tetranychidae.

I1533-69

A NOTE ON THE INCOMPATIBILITY OF TWO PRE-BLOSSOM APHICIDES (DEMETON-S-METHYL AND DIMETHOATE) WITH LIME-SULPHUR.

J M Lewis R P Tew

East Malling Res Sta Annu Rep (A51):183-184 1968 103 EA7

Aphidiinae, Chemistry, Dimethoate, Fungicides, Hydrolysis, Insecticides, Lime, Methyl demeton, Sulfur.

THE IMPORTANCE OF INSECTS FOR THE DISPERSAL OF INFECTIOUS OAK WILT. (GE) I I Minkevic

Beitr Entomol 17(1-2):299-304 REF 1967 421 B392

Agrilus, Cerambycidae, Fungus diseases (plants), Insect vectors, Larvae, Quercus, Tree injuries, Wilt. English and Russian abstracts.

LIST OF INTERCEPTED PLANT PESTS, 1966. (PESTS RECORDED FROM JULY I, 1965, THROUGH JUNE 30, 1966.).

B C Mumford

U S Agr Res Serv ARS-82 (6-1):82P

Mar 1967 A464.479 R31

Host indexing (plants), Insect pests, Nomenclature, Plant diseases, Plant nematodes, Plant quarantine, Snails, Zoogeography.

PREFERENCE STUDIES WITH HOSTS AND NONHOSTS OF THE BOLL WEEVIL, ANTHONOMUS GRANDIS.

W L Parrott F G Maxwell J N Jenkins D D Hardee

Entomol Soc Amer Ann 62(2):261-264 REF Mar 1969 420 EN82

Anthonomus grandis, Attractants, Food habits, Gossypol, Plant biochemistry, Plant extracts.

AMINO ACIDS IN HOSTS AND NONHOSTS OF THE BOLL WEEVIL, ANTHONOMUS GRAN-DIS.

W L Parrott F G Maxwell J N Jenkins J K Mauldin

Entoinol Soc Ainer Ann 62(2):255-261 REF Mar 1969 420 EN82

Amino acids, Anthonomus grandis, Chromatography, Cotton, Plant biochemistry.

USE OF AN ACTOGRAPH WITH ELECTRO-ACOUSTICAL DETECTOR FOR THE STUDY OF GRAIN INSECTS. ACTOGRAPHY OF THE LARVAL DEVELOPMENT OF SITOPHILUS GRANARIUS. DETECTION OF THE PRIMARY EFFECTS OF THE IONIZING RADIATIONS. (FR)

P Pesson M Ozer

Ann Epiphyt 19(3):501-512

1968 464.9 F84AN

Electrical engineering, Grain, Insect physiology, Ionizing radiation, Larvae, Sitophilus granarius, Sound waves, Vibration. English abstract.

OBSERVATIONS ON THE INSECT PESTS OF THE SUGAR CANE CROP AT KANTALAI (CEYLON).

A Rajendra

Ceylon J Sci Biol Sci 8(1):21-26

Oct 1968 475 C33

Insect pests, Sugarcane.

A NOTE ON NEPHUS REGULARIS SIC. (COC-CINELLIDAE: COLEOPTERA) AS A PREDATOR OF FERRISIA VIRGATA CKLL.

R R Rawat B N Modi

Madras Agr J 55(12):541-542

Dec 1968 22 M262

Coccinellidae, Insect biology, Insect pests, Predaceous insects, Vegetables.

NEW SOUTH WALES DEPARTMENT OF AGRICULTURE, ENTOMOLOGY.

Oannual Report 1966-7 (extracts). Branch

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):225-227

Jun 1969 423.92 G798

Agricultural research, Chemical control (insects), Extracts, Insect pests, Insecticides, Surveys.

11542-69

AGRICULTURAL ENTOMOLOGY IN THE USSR.

Ye M Shumako

Entomol Rev 47(2,APR-JUN):153-164 REF

Jun 1968 421 R322AE

Agricultural history, Bibliography, Economic entomology, Insect pests. Russian journal-Entomologicheskoye Obozreniye, p. 261-279.

11543-69

CURRENT STUDIES ON ATHERIGONA IN-DICA--A PEST OF WHEAT.

S P Singh H R Sahu Z Singh

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):222-224

Jun 1969 423.92 G798

Atherigona, Carbamates, Carbaryl, Chemical control (insects), Chlorinated hydrocarbons, Dimethoate, Disulfoton, Endrin, Insecticides, Lindane, Organophosphorus compounds, Phorate, Seeds, Wheat.

11544-69

EMERGENCE OF THE OVERWINTERING GENERATION OF GALLMIDGES LIVING ON ALFALFA.

M Skuhrava V Skuhravy

Marcellia 35(1-2,MAR-JUN):111-115 REF Jun 1968 421 M33

Alfalfa, Cecidomyiidae, Contarinia, Dasineura, Emergence, Humidity, Temperature.

11545-69

MICROBIAL CONTROL IN HAWAII. M Tamashiro

Hawaii Entornol Soc Proc 20(1):157-167 REF Jun 1968 420 H312

Bacillus thuringiensis, Biological control (insects), Entomogenous fungi, Insect diseases, Microbial insecticides. Protozoa.

11546-69

ACERIA TULIPAE IN NORTH DAKOTA.

R G Timian E H Lloyd

Plant Dis Rep 53(8):623 Aug 1969 1.9 P69P

Aceria tulipae, Insect vectors, Mites, Surveys, Virus diseases (plants), Wheat.

OBSERVATIONS ON THE MORPHOLOGY AND THE HISTOCYTOLOGY OF THE VIRESCENT PRODUCTS OF ERIOPHYES CLADOPHTHIRUS NAL. ON SOLANUM DUL-CAMARA L.. (FR)

E Westphal

Marcellia 35(1-2, MAR-JUN):83-103 REF

Jun 1968 421 M33

Eriophyidae, Gall-making insects. Histochemistry, Mites, Plant physiology, Solanum.

11548-69

CHEMICAL CONTROL OF THE WHITE POTATO GRUB PREMNOTRYPES VORAX (HUSTACHE). (SP)

I Zenner J L Posada O

Agr Trop 25(4):195-204

Apr 1969 26 AG8 Chemical control (insects), Curculionidae, Insect control, Insecticides, Potatoes, Premnotrypes

11549-69

THE REPELLENCY OF MATURE CITRUS LEAVES TO PROBING APHIDS.

F W Zettler M O Smyly I R Evans

Entomol Soc Amer Ann 62(2):399-402 REF

Mar 1969 420 EN82

Aphis eraccivora, Aphis gossypii, Aphis spiraecola, Beans, Citrus, Crotalaria, Insect behavior, Insect repellents, Myzus persicae.

NEMATODES

11550-69

FLAVIANIC ACID AS A HATCHING AGENT FOR HETERODERA CRUCIFERAE FRANKLIN AND OTHER CYST NEMATODES.

H J Clarke A M Shepherd Nature 213(5074):419-420 REF

28 Jan 1967 472 N21

Hatching, Heterodera cruciferae, Hydroxy-5,7-dinitro naphthalenesulfonic acid, 8-, Nematodes, Pierie acid.

SUSCEPTIBILITY OF TWO CITRUS ROOT-STOCKS TO PRATYLENCHUS SPP.

J Feldmesser C I Hannon

Plant Dis Rep 53(8):603-607 REF

Aug 1969 1.9 P69P

Citrus, Plant disease resistance, Plant nematodes, Pratylenchus, Rootstocks, Surveys.

11552-69

FACTORS INFLUENCING THE RATIO OF MALES TO FEMALES IN THE GENUS HETERODERA. II. MINIMUM LIVING SPACE-SELECTIVE RATE OF MORTALITY OF SEVES SEEVED THE PROPERTY OF THE PROPERTY O RATIO SEXES--SEX (HETERODERA SCHACHTII). (GE)

U Kerstan

Nematologica 15(2):210-228 REF

May 1969 436.8 N342

Ecology, Habitats, Heterodera schachtii, Mortality, Plant nematodes, Population, Sex. English abstract.

ANALYSIS OF TOTAL LIPIDS AND FATTY ACIDS OF PLANT-PARASITIC NEMATODES AND HOST TISSUES.

L R Krusberg

Compar Biochem Physiol 21(1):83-90 REF

Apr 1967 444.8 C73

Alfalfa, Aphelenchoides ritzema-bosi, Chromatography, Ditylenchus dipsaci, Ditylenchus triformis, Fatty acids, Lipids, Plant nematodes, Plants, Pratylenchus penetrans, Pyrenochaeta terrestris, Tylenchorhynchus claytoni.

PLANT PARASITIC NEMATODES SOCIATED WITH SUGARCANE PRODUCTION IN RHODESIA.

G C Martin

China Plant Protect Bull 15(3):45-58

Jun 1967 464.9 C47

Meloidogyne javanica, Plant nematodes, Soil fumigation, Sugarcane, Surveys.

11555-69

INFLUENCE OF GROWING MARIGOLDS, WEEDS, TWO COVER CROPS AND FUMIGATION ON SUBSEQUENT POPULATIONS OF PARASITIC NEMATODES AND PLANT GROWTH.

P M Miller J F Ahrens

Plant Dis Rep 53(8):642-646 REF

Aug 1969 1.9 P69P

Cover crops, Ethylene dibromide, Fumigation, Plant nematodes, Plant physiology, Population, Pratylenchus penetrans, claytoni, Weeds. Tylenchorhynchus

11556-69

CHRYSANTHEMUM EELWORM.

Great Brit Min Agr Fish Food Adv Leafl (339):1-

May 1966 10 G79LA

Aphelenchoides ritzema-bosi, Chemical control (nematodes), Chrysanthemum, Diethyl O-2-pyrazinyl phosphorothioate, O,O-, Hot water treatment (plants), Parathion, Plant nematode resistance, Plant nematodes, Thionazin.

The life cycle, and control of the chrysanthemum eelworm (Aphelenchoides ritzema-bosi) are discussed including a description of infested plants. Hot water treatment and applications of thionazin and parathion are the recommended control mea-

11557-69

PROPIONIC ACID BETTER THAN ACETIC ACID FOR KILLING NEMATODES.

C Netscher J W Seinhorst

Nematologica 15(2):286

May 1969 436.8 N342

Acetic acid, Chemical control (nematodes), Nematodes, Propionic acid.

STYLET-BEARING AS-**NEMATODES** SOCIATED WITH PLANTS IN IOWA PRAI-RIES.

D C Norton P E Ponchillia Iowa Acad Sci Proc 75:32-35 MAP 1968 500 IO93

Morphology, Mouth parts, Plant nematodes, Surveys, Zoogeography.

EFFECT OF ROOT EXTRACT OF ASPARAGUS RACEMOSUS TAGETES ERECTA ON HATCHING OF EGGS OF MELOIDOGYNE JAVANICA MELOIDOGYNE ARENARIA.

G Swarup R D Sharma Indian J Exp Biol 5(1):59

Jan 1967 442.8 IN2

Asparagus, Diethyl O-2-pyrazinyl phosphorothioate, 0,0-, Hatching, Meloidogyne ardenensis, Meloidogyne javanica, Nematocides, Plant extracts, Plant nematodes, Tagetes erecta.

STUBBY ROOTS OF COFFEE SEEDLINGS CAUSED BY ROTYLENCHULUS RENIFORMIS. R B Valdez

Philippine Agr 51(8):36-43

Jan 1968 25 P542

Chemical control (nematodes). Coffee. Dichloropropane dichloropropene mixture, Plant nematodes, Roots, Rotylenchulus reniformis.

INVESTIGATIONS OF NEMATODE-DESTROY-ING FUNGI IN CENTRAL IOWA.

G D Van Dyke

Iowa Acad Sci Proc 75:20-32

1968 500 IO93

Ecology, Nematodes, Plant physiology, Predaceous fungi, Soil fungi, Surveys.

WEEDS

11562-69

SOME ASPECTS OF UTILIZATION OF WATER HYACINTH (EICHHORNIA CRASSIPES).

A A Abdalla A T A Hafeez

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):204-207

Jun 1969 423.92 G798

Cyperus rotundus, Eichhornia crassipes, Mulches, Plant analysis, Soil moisture, Weed control.

11563-69

NURSERY INVESTIGATIONS: WEED CON-TROL.

J R Aldhous J Atterson A J Low R M Brown Great Brit Forest Comm Rep Forest Res 28-36 1968 99.9 G795RE

Chemical control (weeds), Coniferae, Methylsulfonyl)-2,6-dinitro-N,N-dipropylaniline, 4-(, Nursery stock (forestry), Propazine, Seedlings, Simazine.

Partial contents, p. 34-35

11564-69

WEED CONTROL IN THE FOREST.

J R Aldhous R M Brown J Atterson

Great Brit Forest Comm Rep Forest Res 75-82 1968 99.9 G795RE

Chemical control (weeds), Dicamba, Forest management, Herbicide application, Herbicides, Oils, Paraffins, Pteridium aquilinum, Oils, Paraffins, Pteridium aquiling Rhododendron, T, 2,4,5-, Weed control, Weeds.

NURSERY INVESTIGATIONS. WEED CON-TROL.

J R Aldhous J Atterson A J Low R M Brown Great Brit Forest Comm Rep Forest Res 28-36 1968 99.9 G795RE

Chemical control (weeds), Chlorthiamid, Dicamba, Forests, Larix, Paraquat, Pinus, Pteridium aquilinum, Rhododendron, T, 2,4,5-, Triazine.

Partial contents, p. 33-34

11566-69

THE EFFECT OF POST-EMERGENCE HERBI-CIDES ON THE VEGETATIVE AND REPRODUCTIVE GROWTH OF CENTROSEMA PUBESCENS BENTH. IN QUEENSLAND.

D R Bailey

Weed Res 9(1):9-19

Mar 1969 79.8 W412

Chemical control (weeds), Herbicides, Leguminosae, Plant physiology.

THE PRESENT STATUS OF BIOLOGICAL CONTROL OF XANTHIUM (COMPOSITAE).

G M Baloch M A Gani

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):154-159 REF

Jun 1969 423.92 G798

Biological control (weeds), Cerambycidae, Coptosoma, Noctuidae, Pyralidae, Weed control, Xanthium.

A METHOD FOR DETERMINATION OF 2,4-DICHLOROPHENOXYACETIC ACID (2,4-D) IN ALGAL CULTURE MEDIA. (GE)

E Behm 1 Schroder

Weed Res 9(1):43-47 REF

Mar 1969 79.8 W412

Algae, Chemical analysis, Culture media, D, 2,4-, Herbicides, Spectrophotometry.

INFLUENCE OF MAIZE DWARF MOSAIC VIRUS AND TRACE LEVELS OF ATRAZINE ON WEIGHT AND FOLIAR ELEMENT ACCU-MULATION BY TWO SINGLE CROSS MAIZE HYBRIDS IN THE GREENHOUSE.

H Colc D R MacKenzie C B Smith C D Ercegovich

Plant Dis Rep 53(8):652-655

Aug 1969 1.9 P69P Atrazine, Chlorinated hydrocarbons, Corn, Dwarf mosaic, Herbicides, Hybrids, Plant biochemistry,

Plant discases, Virus diseases (plants). 11570-69

2-CHLORO-2',6'-DIETHYL-N-(METHOX-YMETHYL)-ACETANILIDE.

D M Evans

Chem Indus (19):615-616 10 May 1969 382 M31C

Chemical control (weeds), Chloro-2',6'-diethyl-N-(methoxymethyl)acetanilide, 2-, Field crops, Herbicides, Preemergence, Temperature.

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11571-69

11571-69

WEED CONTROL IN CRUCIFER CULTURES WITH 2-CHLOR-N-ISOPROPYLACETANILIDE.

H Geinhauer H Will

Berlin Biol Bundesanst Land-forstwirtsch Mitt (121):269-276

Feb 1967 410.9 G31M

Cauliflower, Chemical control (weeds), Chloro-Nisopropylacetanilide, 2-, Cruciferae, Herbieides, Kohlrabi, Onions, Weed control. English abstract

THE RESPONSE OF POTTED APPLE AND PLUM PLANTS TO BROMACIL AND CILLORTHIAMID.

R I C Halloway

East Malling Res Sta Annu Rep (A51):89-91 1968 103 EA7

Apples, Bromacil, Dichlorothiobenzamide, 2,6-, Herbicides, Plums, Roots.

CRITICAL PERIODS FOR WEED COMPETI-TION.

L Kasasian J Seeyave

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):208-212

Jun 1969 423.92 G798

Competition, Cultural control (weeds), Plant physiology, Vegetables, Weed control.

THE PRESENT STAGE OF WEED CHEMICAL CONTROL IN RICE FIELDS. (RUM)

A Melachrinos

Probl Agr 11(5):41-50 REF

1969 21 R862

Algae, Chemical control (weeds), Herbicides, Propanil, Rice, T. 2,4,5-, Weed control.

11575-69

COMPOSITION OF WEED FLORA IN SPRING CEREALS IN FINLAND.

J Mukula M Raatikainen R Lallukka T Raatikainen

Ann Agr Fenn 8(2):59-109 MAP REF 1969 20 AN7

Grain, Plant ecology, Plant geography, Surveys, Weeds.

11576-69

A PRELIMINARY EVALUATION OF COTTON HERBICIDES FOR PEASANT FARMING IN NORTHERN NIGERIA.

J Ogborn

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):194-199

Jun 1969 423.92 G798

Chemical control (weeds), Cotton, Crop yields, Dimethyl-3-(alpha,alpha,alpha-trifluoro-m-tolyl)urea, 1,1-, Herbicides, Trifluralin, Weed control.

WEEDS IN THE DISTRICT OF TIRANA. (AL) X Oosia

Tirana Inst Larte Shteteror Bujqesise Bul Shken Bujq 22(2):63-79

1968 512 T51

Crops, Grain, Grasses, Plant ecology, Plant geography, Weeds. French summary.

11578-69

EFFECT OF CHEMICAL AND CULTURAL METHODS OF WEED CONTROL ON THE YIELD AND GROWTH OF MAIZE.

R K S Raghuwanshi K P Garg

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):200-203 REF

Jun 1969 423.92 G798

Chemical control (weeds), Corn, Cultural control (weeds), D, 2,4-, Plant physiology, Weed control.

STUDY OF THE INTRODUCTION OF C. C. C. INTO CEREAL PRODUCTION TECHNIQUES. FIRST PART: WINTER WHEAT. (FR)

L Rixhon A Crohain

Gembloux Inst Agron Bull Etat Ser Extraordinaire 3(3):516-561 REF

1968 105.1 G285

Chemical control (weeds). Chloroethyl)trimethylammonium chloride, (2-, Climate, Crop yields, Herbicides, Plant physiology, Weed control, Wheat.

EFFECTS OF DESICCATION AND TEMPERA-TURE ON SURVIVAL OF CYPERUS ESCULEN-TUS TUBERS AND CYNODON DACTYLON RHIZOMES.

P E L Thomas

Weed Res 9(1):1

Mar 1969 79.8 W412

Cultural control (weeds), Cynodon dactylon, Cyperus esculentus, Drying, Longevity, Tempera-

11581-69

THE EFFECTS OF SHOOT REMOVAL ON THE RHIZOME CARBOHYDRATE RESERVES OF COUCH GRASS (AGROPYRON REPENS (L.) BEAUV.).

D J Turner

Weed Res 9(1):27-36 REF

Mar 1969 79.8 W412

Agropyron repens, Carbohydrates, Defoliation, Herbicides, Paraquat, Plant metabolism, Plant physiology, Rhizomes.

11582-69

THE USE OF DIURON FOR WEED CONTROL IN MATURE LOW-GROWN TEA.

D T Wettasinghe

Ceylon Tea Res Inst Tea Quart 39(4):119-120 Dec 1968 68.18 C33

Chemical control (weeds), Diuron, Herbicides, Paraquat, Tea, Weed control.

OTHER PESTS

11583-69

MAMMALS AND BIRDS.

J J Rowe

Great Brit Forest Comm Rep Forest Res 116-117 1968 99.9 G795RE

Chemical control (pests), Deer, Fertilizers, Forests, Pest control, Squirrels, Starlings, Traps.

LIVESTOCK PROTECTION

11584-69

NOTICE OF WITHDRAWAL OF PETITION FOR FOOD ADDITIVE RUELENE.

J K Kirk

Fed Regist 34(104,PT 1):8373-8374

30 May 1969 L1.451

Cattle, Food additives, Grubs, Insect control, Parasitism, Regulations, Ruelene.

DISEASES

11585-69

SOME OBSERVATIONS ON THE PRESENT STATUS OF RABIES IN THE AMERICAS. (SP) N P Acha

Ofic Sanit Panamer Bol 66(3):211-218

Mar 1969 449.9 P192B

Animal vectors, Disease transmission, Dogs, Human diseases, Rabies, Virus diseases (animals). English, Portuguese and French summaries.

11586-69

FURTHER STUDIES ON RESPIRATORY IN-FECTIONS OF POULTRY IN EGYPT.

A A S Ahmed M S Saber M A Elsisi M Reda K H Abbasi

J Vet Sci U A R 5(1):85-104 REF 1968 SF604.J6

Antibodies, Mycoplasma gallisepticum, Poultry, Respiratory diseases, Serological tests, Surveys, Virus diseases (animals).

REPLICATION AND CYTOPATHOGENICITY OF AVIAN INFECTIOUS BRONCHITIS VIRUS IN CHICKEN EMBRYO KIDNEY CELLS.

T G Akers C H Cunningham

Arch Gesainte Virusforsch 25(1):30-37 REF Nov 1968 448.3 AR23

Chick embryos, 'Cytopathogenic viruses. Fluorescence microscopy, Infectious bronehitis, Reproduction, Virus diseases (animals).

LABORATORY TECHNIQUES IN BRUCELLO-SIS.

G G Alton L M Jones

World Health Organ Monogr Ser (55):92P REF 1967 QR201.B8A4

Allergies, Bacteriology, Brucellosis, Livestock diseases, Methodology, Serological tests, Vaccines, Veterinary medicine.

OCCURRENCE OF ENCEPHALITIS CAUSED BY INFECTIOUS BOVINE RHINOTRACHEITIS VIRUS IN CALVES IN HUNGARY.

A Bartha G Hajdu P Aldasy Gy Paczolay Acta Vet (budapest) 19(2):145-151

1969 41.8 AC83

Animal histology, Calves, Encephalitis, Infectious bovine rhinotracheitis virus, Vaccines, Virus diseases (animals).

CONTROL OF EQUINE PIROPLASMOSIS IN FLORIDA.

J E Bryant J B Anderson K H Willers Ainer Vet Med Ass J 154(9):1034-1036

01 May 1969 41.8 AM3

Babesia caballi, Chemical control (insects), Chlorinated hydrocarbons, Dermacentor nitens, Drug therapy, Horses, Insect vectors, Insecticides, Lindane, Livestock diseases, Piroplasmosis, Toxaphene.

Equine piroplasmosis was brought under control by application of pesticides to eliminate the tick vector (Dermacentor nitens) and by the administra-tion of babesiacidal drugs to known serologically positive horses in Florida.

11591-69

CHARACTERIZATION OF AVIAN EN-CEPHALOMYELITIS VIRUS (AN AVIAN EN-TEROVIRUS).

W K Butterfield R E Luginbuhl C F Helmboldt Avian Dis 13(2):363-378 REF

May 1969 41.8 AV5

Avian encephalomyelitis, Biochemistry, Picor-naviruses, Serological tests, Virus diseases naviruses, Serological tests, Virus (animals), Virus-neutralization tests.

PASTEURELLOSIS: PASTEURELLA TOCIDA AND PASTEURELLA HEMOLYTICA. G R Carter

Advances Vet Sci 11:321-379 REF 1967 41.8 AD9

Bacterial diseases (animals), Bibliography, Epidemiology, Immunity, Morphology, Pasteurella haemolytica, Pasteurella multocida, Pasteurellosis, Serological tests, Taxonomy, Tissue culture, Bacterial diseases Zoogeography.

A literature review of the taxonomy, distribution, morphology, biochemistry, pathology, serology and immunology of Pasteurella multocida and P. hemolytica is presented. An extensive bibliography is also included.

OCCURRENCE OF INFLUENZA A/EQUI-2 INFECTION OF HORSES IN HUNGARY.

L Csontos T Fehervari J Bokori S Goyne A Bartha Et Al

Acta Vet (budapest) 19(2):183-189 MAP REF 1969 41.8 AC83

Horses, Influenza viruses, Myxoviruses, Virus diseases (animals).

THE REACTIVITY OF THE WHITE BLOOD PICTURE IN THE HORSE. (GE

H Eikmeier D Manz

Deut Tierarztl Wochensch 75(13):323-327 REF 01 Jul 1968 41.8 D482

Animal diseases, Blood composition, Horses, Leukocytes, Leukocytosis, Leukopenia, Lymphocytosis, Skin diseases. English summary.

11595-69

A SURVEY ON AVIAN SALMONELLOSIS IN U. A. R..

M A El Agroudi I M Sadek J Vet Sci U A R 5(1):11-17 REF 1968 SF604.J6

Birds, Salmonellosis, Surveys.

AUGMENTATION OF THE PATHOGENICITY OF THE RIBONUCLEIC ACID OF FOOT-AND-MOUTH VIRUS BY ADDITION OF DIETHYLAMINOETHYL-DEXTRAN. (FR) M-T Fayet

Acad Sci Compt Rend Ser D Sci Nat 264(5, 1ST SEMESTER):783-784

30 Jan 1967 505 P21

Diethylaminoethyl dextran, Foot-and-mouth disease virus, Reproduction, Ribonucleic acid, Tissue culture, Viruses.

STUDIES ON WILD RESERVOIRS AND VEC-TORS OF TRYPANOSOMA CRUZI . XXXIV: NATURAL INFECTION OF THE RAT, ORYZO-MYS CAPITO LATICEPS (LUND, 1841).BY T. CRUZI. (POR)

G K Funayama M P Barretto Rev Brasil Biol 29(2):163-173 REF

Jun 1969 442.8 R326

Animal diseases, Animal vectors, Disease transmission, Rats, Trypanosoma cruzi. English abstract.

THE MORPHOLOGICAL AND BIOLOGICAL STATUS OF TWO ENTERIC PROTOZOA IN-VESTIGATED IN DOMESTIC DUCKS AND GEESE IN EGYPT.

M H Haiba M N El-Shabrawy J Vet Sci U A R 5(1):19-28 REF

1968 SF604.J6

Amebiasis, Amoeba, Biology, Ducks, Geese, Morphology, Protozoa, Trichomonas.

DEGRADATION OF CELLULAR RIBONUCLE-IC ACID IN NEW CASTLE DISEASE VIRUS IN-FECTED CELLS.

W Huo D E Wilson

J Gen Virol 4(2):245-251 REF

Mar 1969 QR360.A1J6

Chick embryos, Deoxyribonucleic acid, Newcastle disease virus, Proteinases, Ribonucleic acid, Virology.

11600-69

BOVINE EPIZOOTIC FEVER. III. LOSS OF VIRUS PATHOGENEICITY AND IMMU-NOGENICITY FOR THE CALF DURING SERI-AL PASSAGE IN VARIOUS HOST SYSTEMS.

Y Inaba Y Tanaka K Sato H Ito T Omori Et Al Jap J Microbiol 13(2):181-186

Jun 1969 448.8 J273

Antibodies, Calves, Ephemeral fever, Hamsters, Immunity, Mice, Virus diseases (animals).

11601-69

RABIESVIRUS NEURONITIS.

A B Jenson E R Rabin D C Bentinck J L Melnick J Virology 3(2):265-269

Feb 1969 OR360.J6

Electron microscopy, Mice, Nervous system diseases. Rabies virus.

11602-69

ATTEMPTS TO INDUCE RECOMBINANT SO-MATIC CELLS IN CHICKEN ERYTHROCYTE CHIMAERAS BY REPEATED INJECTION OF WESTERN EQUINE ENCEPHALOMYELITIS VIRUS.

M Gresikova K Hala M Hasek 1 Karakoz Folia Biol (praha) 15(2):81-86 REF 1969 442.8 F712

Animal genetics, Chickens, Chimeras, Erythrocytes, Serological tests, Western equine encephalomyelitis.

RESULTS OF RESEARCH ON THE ETIOLOGY OF HEPATIC NECROSIS IN SHEEP. (FR)

R V Katitch B Djoukitch V Dimitrijevitch Z Voukitchevitch Lj Cvetkovitch Et Al Rec Med Vet 145(6):543-556 REF Jun 1969 41.8 R24

Bacteriology, Clostridium, Hepatic necrosis, Livestock diseases, Sheep. English and Spanish ab-

TOXICITY AND ANTIGENICITY OF SHIPPING FEVER VACCINES IN CALVES.

K A Larson K R Schell

Amer Vet Med Ass J 155(3):495-499 REF

01 Aug 1969 41.8 AM3

Antigens, Calves, Pasteurella bacterins, Toxicology, Viral vaccines.

11605-69

ANTIFUNGAL EFFECTS OF PEROXIDASE SYSTEMS. R I Lehrer

J Bacteriol 99(2):361-365 REF

Aug 1969 448.3 J82

Aspergillus fumigatus, Aspergillus niger, Biochemistry, Candida, Fungicides, Geotrichum, Peroxidases, Rhodotorula, Saccharomyces.

ELECTRON MICROSCOPY OF THE LYSIS OF SALMONELLA BY BDELLOVIBRIO BAC-TERIOVIRUS. (FR)

P Lepine A Guelin J Sisman D Lamblin Acad Sci Compt Rend Ser D Sci Nat 264(25, 1ST SEMESTER):2957-2960

19 Jun 1967 505 P21

Bacteriophages, Bdellovibrios, Electron microscopy, Lysis, Salmonella.

OCCURRENCE OF STAPHYLOCOCCI IN CASES OF BOVINE MASTITIS.

V Matejovska M Bastar

J Hyg Epidemiol Microbiol Immunol 13(1):90-96 1969 448.8 J826

Antibiotics, Cattle, Human diseases, Infectious diseases, Mastitis, Staphylococcus, Surveys.

AMPROL FOR THE PREVENTION OF COC-CIDIOSIS IN GROWING TURKEYS. 28P

1961 SF995.M4

Amprolium, Coccidiosis, Coccidiostats, Feed additives, Infectious diseases, Poultry diseases, Tolerances, Turkeys.

11609-69

NATURAL STREPTOBACILLUS MONILIFOR-MIS INFECTION OF TURKEYS, AND AT-TEMPTS TO INFECT TURKEYS, SHEEPS, AND PIGS.

Y S Mohamed P D Moorehead E H Bohl Avian Dis 13(2):379-385

May 1969 41.8 A V 5

Animal disease transmission, Sheep, Streptobacillus moniliformis, Swine, Turkeys.

11610-69

DISEASES OF ANIMALS.

Toxicity Bibliogr 2(1,JAN-MAR):S-1-S-2 1969 Z7890.T6

Animal diseases, Bibliography, Cattle, Dogs, Horses, Poultry, Rodents, Sheep, Swine, Toxicology.

A COMPARISON OF THE TUBE AGGLUTINA-TION, SUPPLEMENTAL, AND BRUCELLOSIS RING TESTS IN SELECTED DAIRY HERDS IN NEW YORK.

P Nicoletti G E Burch

Cornell Vet 59(3):349-354 Jul 1969 41.8 C81

Brucellosis, Cattle, Diagnosis, Methodology, Serological tests.

11612-69

HEAT STABILITY AND KINETICS OF HEAT INACTIVATION OF NON-SPECEFIC SPECIFIC BRUCELLA AGGLUTININS IN CATTLE BUF-FALO SERUM.

R C Pathak C M Singh

Indian J Exp Biol 7(2):105-107 REF

Apr 1969 442.8 IN2

Agglutination test, Antibodies, Brucella, Buffaloes, Cattle, Serodiagnosis, Serum, Temperature.

THE ADAPTATION OF A STRAIN OF CANINE DISTEMPER VIRUS TO CHICK EMBRYONIC CELLS AND THE UTILIZATION OF ITS CYTOPATHOGENIC EFFECT IN SERONEUTRALISATION. (FR)

H G Petermann

Rec Med Vet 145(6):563-574

Jun 1969 41.8 R24

Canine distemper virus, Serodiagnosis, Serum neutralization test, Tissue culture, Virus diseases (animals). English and Spanish abstracts.

11614-69

AN ATTEMPT AT AN OBJECTIVE EVALUA-TION OF THE OXIDASE REACTION IN LEP-TOSPIRA CULTURES.

1 Plesko M Vladar

Biologia (bratislava) 22(2):90-95

1967 442.8 B5265

Leptospira, Oxidases, Taxonomy, Tissue culture.

THE PENICILLIN PEARL TEST IN THE DIF-FERENTIAL DIAGNOSIS OF BACILL ANTHRACIS AND BACILLUS CEREUS. (CZ) K Prokupek

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 14(2):103-112 REF Feb 1969 41.9 C333

Bacillus anthracis, Bacillus cereus, Diagnosis, Penicillin. Russian, English and German abstracts.

BOVINE MASTITIS DUE TO PSEUDOMONAS PYOCYANEA.

R Raghavan R D Nanjiah R F Patil A S Upadhye Mysore J Agr Sci 2(3):214-218 1968 S19.M9

Cattle, Livestock diseases, Mastitis, Microorganisms, Pseudomonas aeruginosa.

USE OF THE NUCLEIC ACID HYBRIDIZA-TION METHOD FOR THE DEMONSTRATION OF DNA HOMOLOGOUS TO ROUS VIRUS RNA RSV-TRANSFORMED MAMMALIAN CELLS.

T Rakusanova

Folia Biol (praha) 15(2):96-103 REF 1969 442.8 F712

Biochemistry, Chickens, Deoxyribonucleic acid, Ribonucleic acid, Rous sarcoma virus, Tissue culture

11618-69

PRODUCTION ACID COPOLYSACCHARIDES IN MAMMALIAN FIBROBLAST TISSUE CULTURES TRANS-FORMED BY ROUS SARCOMA VIRUS.

T Rakusanova

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11619.69

Biochemistry, Polysaccharides, Rats, Rous sarcoma virus, Tissue culture.

11619-69

THE USE OF THE HEMOLYTIC ACTIVITY OF NEW CASTLE DISEASE VIRUS AS A MEANS OF STRAIN TYPING.

I M Reda A A S Ahmed M S Saber H El-Gendi J Vet Sci U A R 5(2):159-164

1968 SF604 J6

Chickens, Electrolysis, Hemolysis, Methodology, Newcastle disease virus, Potassium, Serological tests.

11620-69

AMYLOPECTIN, THE STORAGE POLYSACCHARIDE OF THE COCCIDIA EIMERIA BRUNETTI AND E. TENELLA.

J F Ryley M Bentley D J Manners J R Stark J Parasitol 55(4):837-845 REF

Aug 1969 448.8 J824

Amylopectins, Biochemistry, Chemical analysis, Eimeria brunetti, Eimeria tenella, Polysaccharides, Sporozoites.

11621-69

DIAGNOSIS, INCIDENCE AND TREATMENT OF SUB-CLINICAL MASTITIS IN DAIRY BUFFALOES.

A H Said A S Abd-el-Malek J Vet Sci U A R 5(2):171-181REF 1968 SF604.J6

Antibiotics, Bacteriology, Bovine mastitis, Buffalocs, Diagnosis, Milk analysis.

11622-69

VIRUS LOCALIZATION IN RABIES. (GE)
J Schaaf E Schaal

Deut Tierarztl Wochensch 75(13):315-316,319-323 REF

01 Jul 1968 41.8 D482

Antigens, Diagnosis, Fluorescent antibody technic, Inclusion bodies, Rabies virus, Virology, Virus diseases (animals). English summary.

11623-69

INVESTIGATIONS ON THE INCIDENCE OF MYCOPLASMA IN SWINE AND THEIR SIGNIFICANCE IN ENZOOTIC PNEUMONIA AND ATROPHIC RHINITIS.

M Scheer J Hartwich J v Sandersleben Acta Vet (budapest) 19(2):125-130 REF 1969 41.8 AC83

Animal morphology, Atrophic rhinitis, Enzootic pneumonia, Mycoplasma, Swine.

11624-69

BIOSYNTHESIS OF GLUCOSYL DIGLYCERIDES BY MYCOPLASMA LAIDLAWH STRAIN B.

P F Smith

J Bacteriol 99(2):480-486 REF

Aug 1969 448.3 J82

Bacteriology, Biochemistry, Glycerides, Mycoplasma, Synthesis.

11625-69

INII CHEMOPROPHYLAXIS IN CALVES IN THE PROCESS OF THE ERADICATION OF BOVINE TUBERCULOSIS UNDER THE CONDITIONS OF LARGE-SCALE PRODUCTION. (CZ) J Straka

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(10):543-549 REF Oct 1968 41 9 C333

Calves, Drug therapy, Isoniazid, Livestock diseases, Tuberculosis. English, Russian and German abstracts.

11626-69

BOVINE EPIZOOTIC FEVER, II, PHYSICOCHEMICAL PROPERTIES OF THE VIRUS.

Y Tanaka Y Inaba K Sato H Ito T Omori Et Al Jap J Microbiol 13(2):169-176

Jun 1969 448.8 J273

Biochemistry, Cattle, Ephemeral fever, Virology, Virus diseases (animals).

11627-69

PROPERTIES OF THE ATTENUATED VACCINE STRAIN OF DUCK HEPATITIS,
N M Tauraso G E Coghill M J Klutch

Avian Dis 13(2):321-329 REF

May 1969 41.8 AV5

Biochemistry, Ducks, Hepatitis, Picornaviruses, Serological tests, Vaccines.

11628-69

THE SECRETION IN VITRO OF HYALURONIC ACID—AND—COLLAGEN—BY—EMBRYONIC HUMAN CELLS TRANSFORMED IN CULTURE BY ROUS SARCOMA VIRUS, (FR)

V Van Tuyen R Maunoury H Febvre

Acad Sci Compt Rend Ser D Sci Nat 265(18, 2ND SEMESTER):1345-1348 REF

30 Oct 1967 505 P21

Collagen, Humans, Rous sarcoma virus, Secretion, Tissue culture.

11629.69

STUDY OF GASTRIC FUNCTION IN SWINE WITH GASTROENTERITIS.

J Varga L Pesti

Acta Vet (budapest) 19(2):113-118 REF 1969 41.8 AC83

Animal physiology, Gastroenteritis, Gastrointestinal system, Hydrogen-ion concentration, Pepsin, Swine.

11630-69

PURIFICATION OF EIMERIA TENELLA SPOROZOITES WITH GLASS BEAD COLUMNS.

G E Wagenbach

J Parasitol 55(4):833-838

Aug 1969 448.8 J824

Culture media, Eimeria tenella, Methodology, Purification, Sporozoites.

11631-69

EFFECT OF TEMPERATURE ON SURVIVAL OF AIRBORNE MYCOPLASMA PNEUMONIAE. D W Wright G D Bailey L J Goldberg

J Bacteriol 99(2):491-495 REF

Aug 1969 448.3 J82

Humidity, Longevity, Mycoplasma pneumoniae, Temperature.

11632-69

A PRELIMINARY STUDY OF THE PIGMENT OF CORYNEBACTERIUM OVIS.

M M Zaki

J Vet Sci. U.A.R. 5(2):165-170 REF

1968 SF604.J6

Biochemistry, Corynebacterium, Diagnosis, Livestoek diseases, Pigments, Serological tests.

11633-69

PRESENCE OF HUMAN ENTEROPATHOGENIC STRAINS OF ESCHERICHIA COLI IN DAIRY ANIMALS IN UPPER EGYPT.

M M Zaki S M Nashed

J Vet Sci U A R 5(1):105-110 REF

1968 SF604.J6

Animal disease transmission, Cattle, Escherichia coli, Human diseases, Surveys.

ARTHROPODS

11634-69

THE CONTROL OF TSETSE AND TRYPANOSOMIASIS IN THE NORTH-EAST-ERN DISTRICTS OF RHODESIA.

T J Caswell

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):219-221

Jun 1969 423.92 G798

Chemical control (insects), Cblorinated hydrocarbons, Dieldrin, DDT, Glossina morsitans, Insecticides, Trypanosoma congolense.

11635-69

ON A SPECIES OF LIPOPTENA (DIPTERA, HIPPOBOSCIDAE, MELOPHAGINAE) FROM INDIAN SPOTTED DEER AND HOG DEER.

M B Chhabra S Chander

Indian Vet J 46(1):38-41

Jan 1969 41.8 IN2

Deer, Hippoboscidae, Insect identification, Insect morphology, Lipoptena, Parasitism.

11636-69

THE EFFECT OF TRICHLORPHONE (SOLDEP, HYPODERMIN) ON SOME ECTOPARASITES OR MYCOSES IN CATTLE AND SHEEP, (CZ) T Goovin J Sokol R Cabadaj

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 13(11-12,NOV-DEC):643-648 REF

Dec 1968 41.9 C333

Acarus siro, Cattle, Chemical control (insects), Insect control, Melophagus ovinus, Mycosis, Scab, Sheep, Sheep-dip, Trichlorfon. Russian, English and German abstracts.

11637-69

ORAL FAMPHUR FOR TREATMENT OF CATTLE LICE, AND AGAINST SCABIES MITES AND EAR TICKS OF CATTLE AND SHEEP.

I H Roberts W P Melency S A Apodaca Amer Vet Med Ass J 155(3):504-509 REF

01 Aug 1969 41.8 AM3

Cattle, Ears, Famphur, Hacmatopinus eurysternus, Insect control, Otobius megnini, Psoroptes ovis, Sheep.

11638-69

TICKS (IXODOIDEA) OF DOMESTIC ANIMALS IN IRAQ, PART 5, INFESTATIONS IN THE LIWAS OF DIWANIYA AND NASIRIYA (SPRING), KARBALA (WINTER), AND IIHLA (AUTUMN AND WINTER).

J Robson J M Robb N J Hawa

J Med Entomol 6(2):120-124 MAP

May 1969 421 J828

Ixodoidea, Livestock, Surveys.

Collections in spring from 316 animals yielded 1,591 ticks; in winter from 449 animals, 3,966 ticks; and in autumn from 186 animals, 3,397 ticks. Their identification and incidence are given. Discussion includes a comparison with summer infestations. Meteorological data are given.

11639-69

TICKS (INODOIDEA) OF DOMESTIC ANIMALS IN IRAQ, PART 6, DISTRIBUTION. J Robson J M Robb N J Hawa T Al-Wahayyib J Med Entomol 6(2):125-127 MAP

May 1969 421 J828

Ixodoidea, Livestock, Zoogeography.

Over a period of 2 years 103,965 ticks were collected from domestic animals. H anatolicum subspp., H. m. turanicum, R. sanguineus group and B. annulatus occurred throughout Iraq. H a asiaticum, H. (h.) parvae, h. (H.) sulata, O lahorensis and R. bursa were restricted to the northern areas, while H. detritum was confined to the central and southern parts. H dromedarii, H. schulzei, H. m. marginatum and A lepidum were also recovered.

11640-69

RESIDUAL INSECTICIDES FOR USE AGAINST TSETSE FLIES IN RHODESIA.
G Vale

Pans (pest Articles News Sum) Sect A Insect Contr 15(2):213-218

Jun 1969 423.92 G798

Chemical control (insects), Chlorinated hydrocarbons, Dieldrin, DDT. Glossina morsitans, Glossina pallidipes, Insecticide residues.

PARASITES

H64F-69

OXYURATA OF THE CENTRAL ELEVATED PLAIN ON THE GENUS STRONGYLURIS MUELLER, 1894 WITH DESCRIPTION OF TWO NEW SPECIES. (POR)

CJR Alho

Rev Brasil Biol 29(1):65-74 REF

Apr 1969 442.8 R326

Oxyuriasis, Taxonomy. French abstract.

EARLY DEVELOPMENT OF TAENIA CRAS-SICEPS IN THE INTERMEDIATE HOST, WITH A NOTE ON PRIMITIVE CELL TYPES.

F M Bilquees

Australian J Zool 17(3):487-493 REF

Jul 1969 410 AU73

Cytology, Development, Mammals, Taenia, Tissue culture

11643-69

PARASITIC REPORTS OF FOREIGNERS FROM WARM CLIMATES. (GE)

L Britz W Krause

Angew Parasitol 9(4):225-237 REF

Dec 1968 436.8 AN4

Epidemiology, Helminthiasis, Human discases, Protozoa, Surveys, Zoogeography. English and Russian abstracts

11644-69

THE OXIDASE SYSTEMS OF MONIEZIA EX-PANSA (CESTODA).

K S Cheah

Compar Biochem Physiol 23(1):277-300 REF Oct 1967 444.8 C73

Cytochrome oxidase, Metabolism, Moniczia expansa, Physiology.

MORPHOGENESIS AND MIGRATION OF AS-CARIS SUUM LARVAE DEVELOPING TO FOURTH STAGE IN SWINE.

F W Douvres F G Tromha G M Malakatis

J Parasitol 55(4):689-712 REF

Aug 1969 448.8 J824

Ascaris lumbricoides suum, Biology, Larvae, Locomotion, Morphology, Swine.

TRIBROMOPHENOXYBUTYRIC ACID AS AN ANTHELMINTIC AGAINST POULTRY TAPEWORMS. (GE)

G Grafner P Betke H D Grauhmann

Angew Parasitol 9(4):212-216

Dec 1968 436.8 AN4

Animal physiology, Anthelmintics, Cestoda, Hydrogen-ion concentration, Hymenolepsis carioca, Poultry diseases, Raillietina cesticillus. English and Russian abstracts

THE PRESENCE OF TRICHINELLA SPIRALIS (OWEN, 1835) IN CARNIVORES AND WILD BOARS IN THE DELTA REGION OF THE SENEGAL RIVER. (FR)

S Gretillat G Vassiliades

Acad Sci Compt Rend Ser D Sci Nat 264(10, 1ST SEMESTER):1297-1300

06 Mar 1967 505 P21

Animal diseases, Susceptibility, Trichinella spiralis, Wildlife.

11648-69

A COMPARATIVE STUDY OF THE BACTERI-AL FLORA OF THE SMALL INTESTINE OF NORMAL AND ASCARIDIA GALLI INFESTED CHICKENS WITH ITS RELATION TO THAT OF THE INCLUDED WORMS.

M H Haiha A A Geneida

J Vet Sci U A R 5(2):143-154 REF 1968 SF604.J6

Ascaridia galli, Bacteria, Chickens, Clostridium perfringens, Escherichia coli, Gastrointestinal system, Streptococcus faecalis, Surveys

CRITICAL STUDIES ON THE INCIDENCE AND PATHOGENS, ECHINOCOCCUS GRANU-COSUS AND ECHINOCOCCUS MULTILOCU-LARIS IN WEST PAKISTAN.

M Z Hussain A S Akhtar

Pakistan J Sci 20(3):100-106 REF

May 1968 475 P172

Cats, Dogs, Echinococcosis, Echinococcus granulosus, Morphology, Surveys.

11650-69

OVINE DICROCOELIOSIS AND ITS COMPLI-CATIONS, (FR)

J P Lafav

Rec Med Vet 145(6):597-608

Jun 1969 41.8 R24

Clostridium, Diagnosis, Dicrococlium dendriticum, Drug therapy, Sheep. English and Spanish ab-

11651-69

STUDIES ON DELAYED (CELLULAR) HYPER-SENSITIVITY IN MICE INFECTED WITH TRICHINELLA SPIRALIS. IV. ARTIFICIAL SENSITIZATION OF DONORS.

JE Larsh H T Goulson N F Weatherly E F Chaffee

J Parasitol 55(4):726-729

Aug 1969 448.8 J824

Antigens, Hypersensitivity, Immunity, Micc, Trichinella spiralis.

11652-69

THE INFLUENCE OF SOME PHYSICAL FAC-TORS ON THE EXOGENOUS DEVELOPMENT OF THE EGGS OF TRICHOCEPHALUS TRICHIURUS AND ASCARIS LUMBRICOIDES UNDER LABORATORY CONDITIONS. (CZ)

Biologia (bratislava) 22(5):364-374

1967 442.8 B5265

Ascaris lumbricoides, Eggs, Morphology, Temperature, Trichuris trichiura, Ultraviolet rays. German and Russian abstracts.

INTERESTING PERINEAL PATTERNS IN SPE-CIES OF THE GENUS MELOIDOGYNE GOEL-DI,1887. (POR)

J J da Ponte

Rev Brasil Biol 29(1):141-143

Apr 1969 442.8 R326

Meloidogyne, Taxonomy. English abstract.

ULTRASTRUCTURE OF DYADS IN MUSCLE FIBERS OF ASCARIS LUMBRICOIDES. J Rosenhluth

J Cell Biol 42(3):817-825 REF

Sep 1969 442.8 J828

Ascaris lumhricoides, Electron microscopy, Histology, Muscles.

EXCITATORY AND INHIBITORY MOTONEU-RONS IN THE CENTRAL NERVOUS SYSTEM OF THE LEECH.

A E Stuart

Science 165(3895):817-819

22 Aug 1969 470 SC12

Electrophysiology, Hirudinea. Morphology, Nervous system.

11656-69

SPINAL NEMATODOSIS IN A HORSE.

O G Swanstrom J L Rising W W Carlton Amer Vet Med Ass J 55(5):748-753

01 Sep 1969 41.8 AM3

Animal physiology, Helminthiasis, Horses, Nervous system, Oxyuriasis, Parascaris equorum, Strongy-

PATHOMORPHOLOGICAL, HISTOLOGICAL AND FUNCTIONAL CHANGES IN LIVER IN SHEEP DICROCELIASIS, (SE)

B Vujic I Grus K Petrovic

Vet Glas 22(11):953-959 REF

1968 41.8 J93

Dicroceliasis, Dicrocoelium dendriticum, Liver, Parasitism, Sheep. English and Russian summaries.

TWO CASES OF PRAENATAL STRONGY-LOIDOSIS. (CZ)

D Zajicek

Czech Min Zemed Les Hospod Ustav Vedeckotech Inform Vet Med 5(14):329-332 May 1969 41.9 C333

Baby pigs, Diagnosis, Helminthiasis, Sheep. English, German and Russian abstracts.

COMMODITY PROTECTION

ARTHROPODS

A PRACTICAL TRIAL OF PYRETHRINS-IN-OIL SURFACE SPRAYS FOR THE PROTEC-TION OF BAGGED GRAIN AGAINST INFESTA-TION BY CADRA CAUTELLA (W (LEPIDOPTERA, PHYCTIDAE) IN KENYA. (WLK.)

J A McFarlane N K Sylvester

J Stored Prod Res 4(4):285-293

Ech 1969 421 1829

Cadra cautella, Grain, Insecticidal aerosols, Insecticide resistant insects, Phycitidae, Plant protection, Pyrethrum, Sitophilus oryzac, Stored products, Triholium castaneum.

11660-69

RELATIVE TOXICITY OF CERTAIN FUMI-GANTS TO TROGODERMA GRANARIUM EVERTS (COLEOPTERA, DERMESTIDAE).

G K Punj G K Girish

J Stored Prod Res 4(4):339-342 REF

Fch 1969 421 J829

Chemical control (insects), Dermestidae, Fumigants, Insect physiology, Larvae, Temperature, Toxins, Trogoderma granarium.

RODENTS AND OTHER PESTS

11661-69

SOME RODENTICIDAL PROPERTIES OF COOMATETRALYL.

J H Greaves P Ayres

J Hvg 67(2):311-315

Jun 1969 449.8 J82

Biological assay, Coumarin, Pesticides, Rats, Rodenticides, Toxicity, Warfarin.

MICROBIAL CONTAMINATION

11662-69

CONTROL OF BYSSOCHLAMYS AND RE-LATED HEAT-RESISTANT FUNGI IN GRAPE PRODUCTS.

A D King H D Michener K A Ito

Appl Microbiol 18(2):166-173 REF

Aug 1969 448.3 AP5 Benzoic acid, Filters, Grapes, Heat treatment, Molds, Sorhates, Spores, Sulfur dioxide.

ENVIRONMENTAL CONTAMINATION

OBSERVATIONS ON THE REPOPULATION BY AMOEBA OF A POND LARGELY POLLUTED INSECTICIDES (PROTOZOA, RHIZOPODA, TESTACEA). (FR)

D Chardez

Gembloux Inst Agron Bull Etat Ser Extraordinaire 3(3):389-391

1968 105.1 G285

Amoeba, Insecticides, Organophosphorus compounds, Parathion, Ponds, Population, Water pol-

11664-69

ACCUMULATION OF FLUORIDE BY FORAGE CROPS.

D C MacLean R E Schneider L H Weinstein Boyce Thompson Inst Contrib 24(7,APR-JUN):165-166

Jun 1969 451 B69

Absorption, Air, Fluoridcs, Forage plants, Phleum, Poisonous gases, Red clover.

11665-69

OCCURRENCE AND SIGNIFICANCE OF PESTICIDE RESIDUES IN WATER.

H P Nicholson

Wash Acad Sci J 59(4-5,APR-MAY):77-85 REF May 1969 500 W 276J

Carbamates, Chlorinated hydrocarbons, Insecticide residues, Organophosphorus compounds, Pesticide residues, Water pollution, Water treat-

DETERMINATION OF ORGANOPHOSPHORUS PESTICIDES IN WATER.

G Zweig J M Devine

Residue Rev 26:17-36 MAP REF 1969 389.9 R314

Chemical analysis, Chromatography, ganophosphorus compounds, Parathion, Pesticides, Water.

RESIDUES

11667-69

A SPECIFIC GAS CHROMATOGRAPHIC METHOD FOR RESIDUES OF ORGANIC NITROGEN PESTICIDES.

C C Cassil R P Stanovick R F Cook Residue Rev 26:63-87 REF

1969 389.9 R314

Chemical analysis, Chromatography, Methodology, Nitrogen compounds, Organic compounds, Pesticide residues.

RAPID METHODS OF EXTRACTION AND CLEANUP IN PESTICIDE RESIDUE ANALYSIS. D M Coulson

U S Agr Res Serv (4):1-19 29 Mar 1968 SB959.C62

Chromatography, Cleanup, Dairy equipment, Extraction, Methodology, Pesticide residues, Pesti-

11669-69

THE ADSORPTION OF FOUR HERBICIDES BY DIFFERENT TYPES OF ORGANIC MATTER AND A BENTONITE CLAY.

P J Doherty G F Warren Weed Res 9(1):20-26 REF

Mar 1969 79.8 W412

Adsorption, Bentonite, Herbicides, Linuron, Organic soils, Prometrync, Pyrazon, Simazine, Soil analysis.

PESTICIDE REGULATIONS AND RESIDUE PROBLEMS IN JAPAN.

K Fukunaga Y Tsukano

Residue Rev 26:1-16

1969 389.9 R314

Fisheries, Mercury compounds, Pesticide residues, Poisons, Regulation (pesticides), Rice.

CARBOFURAN. NOTICE OF ESTABLISHMENT OF TEMPORARY TOLERANCES.

J K Kirk

Fed Regist 34(97):7999

21 May 1969 L1.45I

Dihydro-2,2-dimethyl-7-benzofuranyl Alfalfa. methylcarbamate, 2,3-, Insecticide residues, Milk, Toleranecs.

ISOPROPYL 4.4'-DIBROMOBENZILATE. NOTICE OF ESTABLISHMENT OF TEMPORA-RY TOLERANCE FOR PESTICIDE CHEMICAL. I K Kirk

Fed Regist 34(104,PT 1):8373

30 May 1969 L1.451

Citrus, Insecticide residues, Insecticides, Isopropyl 4,4'-dibromobenzilate, Tolerances.

I1673-69

CHLORINATED HYDROCARBONS RESIDUES IN FOODS. (GE)

Ernahr-umsch 16(6):215-219 REF

Jun 1969 389.8 ER66

Aldrin, Chlorinated hydrocarbons, Dieldrin, DDT, Food contamination, Heptachlor epoxide, Insecticides, Lindane, Pesticide residucs.

GAS CHROMATOGRAPHIC ANALYSIS OF PHORATE AND FIVE METABOLITES IN MON-KEY LIVER HOMOGENATES.

H A McLeod G Mulkins S L N Rao

Bull Environ Contamination Toxicol 4(4)JUL-AUG):224-231

Aug 1969 RA1270.P35A1

Chemical analysis, Chromatography, Insecticides, Liver extracts, Monkeys, Organophosphorus compounds, Phorate.

SIGNIFICANCE OF ORGANOCHLORINE IN-SECTICIDE RESIDUES IN FRESH PLANTS AS POSSIBLE CONTAMINANTS OF MILK AND BEEF PRODUCTS.

J G Saha

Residue Rev 26:89-126 REF

1969 389.9 R314

Beef, Chlorine, Food contamination, Insecticide residues, Milk, Organic compounds, Plants.

11676-69

A CARBOXYLESTERASE INHIBITION ASSAY TO ESTIMATE PARATHION, MALATHION AND DIAZINON IN LETTUCE EXTRACTS. D C Villeneuve A G Butterfield K A McCully

Bull Environ Contamination Toxicol 4(4,JUL-AUG):234-239 REF

Aug 1969 RA1270.P35A1

Biological assay, Carboxylesterase, Chemical analysis, Diazinon, Insecticide residues, Insecticides, Lettuce, Malathion, Organophosphorus compounds, Parathion, Plant extracts.

TOXICOLOGY

THE INFLUENCE OF HERBICIDES UPON THE ANTAGONISM BETWEEN BACILLUS SP. AND PSEUDOMONAS PHASEOLI.

N Balicka Z Krezel Weed Res 9(1):37-42

Mar 1969 79.8 W412

Bacillus, Chlorpropham, Herbicides, Linuron, Metabolism, Prometryne, Pseudomonas, Toxicolo-

CHOLINOLYTICS IN THE TREATMENT OF ANTICHOLINESTERASE POISONING. V. THE EFFECTIVENESS OF PARPANIT WITH OXIMES IN THE TREATMENT OF OR-GANOPHOSPIIORUS POISONING.

1 W Coleman G E Patton R A B Bannard Can J Physiol Pharmacol 46(1):109-117 REF Jan 1968 444.8 C16

Amyl phenol, Atropine sulfate, Caramiphen hydrochloride, Cholinesterases, Drug therapy, Guinea pigs, Mice, Organophosphorus compounds, Oximes, Rabbits, Rats, Toxicology.

The effectiveness of Parpanit in the treatment of organophosphorus poisoning was examined and compared with that of atropine sulfate. The potency of Parpanit was assessed in the mouse, rat, hamster, guinea pig, and rabbit against sarin, tabun, soman, CMPF, and DSDP in treatments in which the oximes p2s and tmb4 were used both singly and together.

11679-69

EFFECTS OF AFLATOXIN B1 AND OTHER CARCINOGENS UPON NUCLEAR RNA OF VARIOUS TISSUES IN THE RAT.

I R Floyd T Unuma H Busch

Exp Cell Res 51(2/3,AUG-SEP):423-438 REF 1968 442.8 EX7

Aflatoxin, Biochemistry, Biosynthesis, Carcinogens, Electron microscopy, Inhibitors, Rats, Ribonucleic acid, Tissues.

EFFECT OF ISOMERS OF DDD ON THYROID AND ADRENAL FUNCTION IN RATS.

M J Fregly I W Waters J A Straw Can J Physiol Pharmacol 46(1):59-66 REF

Jan 1968 444.8 C16

Adrenal glands, Animal physiology, Rats, Thyroid gland, TDE, Toxicology.

Dietary administration of o,p'-DDD (2,2-bis(2-chlorophenyl, 4-chlorophenyl)-1,1dichloroethane) at 1.0 and 3.0 g/kg food for 6 weeks increased the thyroid weight of male albino rats by 62 and 81 per cent respectively. The rate of oxygen consumption (measured at 30 degrees C) and gain in body weight were unaffected by treat-ment. The rate of loss of 1311 from the thyroid gland was significantly faster for both treated groups than for controls.

EFFECTS OF FEEDING PROVITAMIN A, STA-BILIZED VITAMIN A AND FURAZOLIDONE ON PRODUCTION AND QUALITY OF EGGS.

M A Haleem

Indian Vet J 46(3):243-253 REF

Mar 1969 41.8 IN 2

Egg production, Egg yolks, Eggs, Feeding, Furazolidone, Mortality, Ovulation, Vitamin A.

STUDIES ON LABORATORY EVALUATION OF FUNGICIDES AND ANTIBIOTICS ON HEL-MINTHOSPORIUM NODULOSUM BERK, AND CURT.

R K Hedge N Shivanandappa Mysore J Agr Sci 2(3):237-239

1968 S19.M9

11683-69

Antibiotics, Fungicides, Helminthosporium. Eight fungicides were evaluated.

LOCOWEED (ASTRAGALUS LENTIGINOSUS) POISONING IN CATTLE AND HORSES.

L F James K R van Kampen G R Staker Amer Vet Med Ass J 155(3):525-530

01 Aug 1969 41.8 AM3 Astragalus, Cattle, Diagnosis, Horses, Oxytropis,

Poisonous plants, Toxicology.

MERCAPTOCAINE CREME. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION.

J K Kirk

Fed Regist 34(103):8304

29 May 1969 L1.451

Anesthetics, Animals, Drug therapy, Fungicides, Mercapto compounds.

DAPSONE AND SULFABENZ MEDICATED PREMIX. DRUGS FOR VETERINARY USE, DRUG EFFICACY STUDY IMPLEMENTATION. J K Kirk

Fed Regist 34(101):8210

27 May 1969 L1.451

Chickens, Coccidiosis, Drug therapy, Poultry diseases, Sulfur compounds, Turkeys, Veterinary medicine.

INTRAGEL. DRUGS FOR VETERINARY USE; DRUG EFFICACY STUDY IMPLEMENTATION. J K Kirk

Fed Regist 34(92):7665

14 May 1969 L1.451

Animals, Blood pressure, Drugs, Gelatin, Veterina-

THE EFFECT OF PARATHION ON QUAIL EMBRYONIC DEVELOPMENT. (FR

Y Lutz-Ostertag R Meiniel H Lutz Acad Sci Compt Rend Ser D Sci Nat 268(24, 1ST SEMESTER):2911-2913

16 Jun 1969 505 P21

Animal abnormalities, Embryology, Insecticides, Organophosphorus compounds, Parathion, Quail, Toxicology.

11688-69

CONTROL OF CELL MULTIPLICATION IN UNINFECTED CHICKEN CELLS AND CHICKEN CELLS CONVERTED BY AVIAN SARCOMA VIRUSES.

H M Temin

J Cell Compar Physiol 74(1):9-15 REF

Aug 1969 444.8 J822

Cell division, Chickens, Sarcoma, Tissue culture, Virus diseases (animals).

PLANT PHYSIOLOGY & BIOCHEMISTRY

11689-69

THE METHBOLISM OF GLUCOSE UNIFORMLY MARKED WITH RHDIOACTIVE CARBON IN THE LEAVES OF HEALTHY MELONS COMPARED WITH THOSE ATTACKED BY ANTHRACNOSE. (FR)

P Auriol A Uze

Acad Sci Compt Rend Ser D Sci Nat 264(13, 1ST SEMESTER):1721-1723

29 Mar 1967 505 P21

Anthracnose, Cantaloupes, Carbon-14, Fungus diseases (plants), Glucose, Leaves, Plant metabolism, Radioactive isotopes.

PRELIMINARY LABORATORY TESTS ON THE ACTION OF TWO SYNTHETIC FUNGICIDES TO PREVENT THE FINGER STALK ROT OF BANANAS. (IT

F Beccari V Gerini C Golato E Meossi Riv Agr Subtrop Trop 62(1/3,JAN-MAR):64-71 1968 26 AG82

Bananas, Chemical control (plant diseases), Copper, Fungicides, Fungus diseases (plants), Fusarium moniliforme, Organic compounds, Physalospora rhodina, Stalk rot. English, French and Spanish summaries.

EXPERIMENTS WITH THE PROPAGATION OF POLYANTHA AND HYBRID TEA ROSES BY SOFTWOOD CUTTINGS. (DA)

E N Eriksen

Tidsskr Plant 72(3):327-334

1968 11 T439

Dosage, Indolebutyric acid, Plant cuttings, Plant physiology, Plant regulators, Rosa, Tea. English

THE EFFECTS OF 3-AMINO-1,2,4-TRIAZOLE ON THE CARBOHYDRATE METABOLISM OF PLANTS.

J F Fredrick A C Gentile N Y Acad Sci Ann 144(1):362-366 REF 09 Aug 1967 500 N484

Amitrole, Carbohydrates, Plant metabolism, Plant physiology.

11693-69

EFFECTS OF GIBBERELLIN TREATMENT ON THE GROWTH AND DRY WEIGHT OF THE RICE PLANTS.

J Harada K Wada

Tohoku J Agr Res 19(4):204-219

Dec 1968 22.5 T574

Gibberellic acid, Plant growth regulator, Plant morphology, Plant physiology, Rice.

POTENTIAL INTERFERENCES IN CERTAIN PESTICIDE RESIDUE ANALYSES FROM OR-GANOCHLORINE COMPOUNDS OCCURRING NATURALLY IN PLANTS.

J W Hylin R E Spenger F A Gunther

Residue Rev 26:127-138 REF

1969 389.9 R314

Algae, Chemical analysis, Chlorine, Fungi, Lichenes, Pesticide residues, Plant biochemistry,

CHLORTHAL DEGRADATION IN SOILS AND ITS UPTAKE BY PINE SEEDLINGS.

J G Iyer G Chesters S A Wilde

Weed Res 9(1):53-61 REF

Mar 1969 79.8 W412

Dimethyl 2.3.5.6-tetrachloroterephthalate, Pinus radiata, Plant biochemistry, Radioactive tracers, Seedlings, Soil chemistry.

EFFECT OF DICAMBA ON OXYGEN UPTAKE AND CELL MEMBRANE PERMEABILITY IN LEAF TISSUE OF CYPERUS ROTUNDUS L.

A C Magalhaes F M Ashton Weed Res 9(1):48-52 REF Mar 1969 79.8 W412

Cyperus rotundus, Dicamba, Herbicides, Oxygen, Permeability, Plant metabolism, Plant physiology.

INHIBITION OF THE ACTION PHYTOCHROME BY THE HERBICIDE CIPC. J D Mann H Haid L S Jordan B E Day

Nature 213(5074):420-421

28 Jan 1967 472 N21

Brassica hirta, Chlorinated hydrocarbons, Chloropropham, Chromoproteins, Herbicides, Lettuce, Plant growth inhibitors, Plant physiology, Ribonucleic acid, Seeds.

11698-69

RELEASE OF HYDROLYTIC ENZYMES FROM CYTOPLASMIC PARTICLES OF SOLANUM TUBER TISSUES DURING INFECTION BY TUBER-ROTTING FUNGI.

D Pitt C Coombes

J Gen Microbiol 56(3):321-329 REF

Jun 1969 448.3 J823

Fungus diseases (plants), Fusarium caeruleum, Hydrolases, Phytophthora, Phytophthora infestans, Plant diseases, Plant physiology, Potatoes.

REACTION OF CCCP IN PHOTOSYNTHESIS INTERMEDIATE BETWEEN CHLOROPHYLL-AII AND WATER. (GE)

G Renger

Naturwissenschaften 56(7):376

Jul 1969 474 N213

Carbonyl compounds, Chlorophylls, Hydrazones, Photosynthesis, Plant biochemistry, Water.

RESPONSE OF AMERICAN ELM SEEDLINGS TO TREATMENT WITH CAPTAN AND CYCLOHEXIMIDE.

B R Roberts R J Stipes

Forest Sci 15(1):87-91 REF Mar 1969 99.8 F7632

Captan, Carbon dioxide, Cycloheximide, Dieback, Fungicides, Photosynthesis, Plant metabolism, Plant physiology, Ulmus americana.

11701-69

GROWTH PROMOTION IN PEA STEM SEC-TIONS. III. BY ALKYL NITRILES, ALKYL ACETYLENES AND INSECT JUVENILE HOR-MONES.

B B Stowe V W Hudson

Plant Physiol 44(7):1051-1057 REF

Inl 1969 450 P692

Acetylenc compounds, Alkyls, Juvenile hormone, Nitriles, Pisum sativum, Plant physiology, Plant

11702-69

PEROXIDASE INFLUENCE OF CATALASES ON MYCELIAL GROWTH AND PYCNIDIUM PRODUCTION BY PLENODOMUS MELILOTI IN LIGHT AND DARKNESS.

S 1 Zafar N Colotelo

Can J Bot 47(4):505-512 REF

Apr 1969 470 C16C

Catalase, Fungus cultures, Fungus diseases (plants), Legumes, Peroxidases, Plant biochemistry, Plenodomus, Root rot.

CHEMISTRY

11703-69

METHOD FOR OR-PESTICIDE RESIDUES SCREENING GANOCHLORINE USING THIN-LAYER CHROMATOGRAPHY.

D C Abbott J O'G Tatton N F Wood

J Chromatography 42(1):83-88 REF

03 Jun 1969 475 J824

Chlorinated hydrocarbons, Chromatography, Pesticide residues

A screening method is described for the analysis of organochlorine pesticides in fats and vegetables by semi-quantitative thin-layer chromatography. The sample is cleaned up by the dimethyl sulphoxide partitioning process, by chromatography on a small column of alumina, or by a combination of both of these methods. Thin-layer chromatography is per-formed on Alumina G incorporating silver nitrate as a sensitive and selective visualizing reagent, and residues estimated by comparison of spot sizes with those of standards. Residues as low as 0.01 ppm can be estimated in some cases.

11704-69

RECOMMENDED ANALYTICAL METHODS FOR PESTICIDES. 40. METHODS OF ANALY-SIS FOR TECHNICAL AND FORMULATED EN-

Anonymous

China Plant Protect Bull 16(4):69-70

Aug 1968 464.9 C47

Chemical analysis, Endothion, Methodology, Pesticide analysis.

11705-69

RECOMMENDED ANALYTICAL METHODS FOR PESTICIDES. 39. METHODS OF ANALY-SIS FOR TECHNICAL AND FORMULATED TRICHLORFON.

Anonymous

China Plant Protect Bull 16(4):68-69

Aug 1968 464.9 C47

Chemistry, Methodology, Pesticide analysis, Trichlorfon.

AN ELECTRON-CAPTURE GAS CHROMATO-GRAPHIC METHOD FOR THE DETERMINA-TION OF SUBSTITUTED UREA AND CARBA-MATE HERBICIDES AS 2,4-DINITROPHENYL DERIVATIVES OF THEIR AMINE MOIETIES.

I C Cohen B B Wheals

J Chromatography 43(2):233-240 REF 19 Aug 1969 475 J824

Amines, Carbamates, Chemical analysis, Chromatography, Electron capture, Herbicide residues,

CHEMISTRY

11707-69

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11707-69

SYNTHESIS AND PESTICIDAL ACTIVITY OF PIIENAZINES II.--ALKYL, ALKOXY, ALKYLTHIO AND ALKYLSULPHONYL PHENAZINES.

B Cross C L Dunn D H Payne J D Tipton J Sci Food Agr 20(6):340-344

Jun 1969 382 SO12

Acaricides, Biological assay, Chemical analysis, Fungicides, Mites, Pesticides, Synthesis.

11708-69

THIN-LAYER CHROMATOGRAPHIC IDENTIFICATION OF THIRTEEN MEDICINALLY IMPORTANT CARBAMATES. T W M Davis

J Chromatography 29(1):283-287 Jul 1967 475 J824 Carbamates, Chromatography.

11709-69

EXPANDED UTILITY OF THE BEILSTEIN FLAME TEST FOR ORGANICALLY BOUND HALOGENS AS A SENSITIVE AND SPECIFIC FLAME PHOTOMETRIC DETECTOR IN THE GAS CHROMATOGRAPHIC DETERMINATION OF R-X COMPOUNDS AS ILLUSTRATED WITH ORGANOCHLORINE PESTICIDES.

F A Gunther A Lopez-Roman R I Asai W C Westlake

Bull Environ Contamination Toxicol 4(4 JUL-AUG):202-213 REF

Aug 1969 RA1270.P35A1

Chemical analysis, Chlorinated hydrocarbons, Chromatography, Halogens, Methodology, Pesticide residues, Photometry.

DIRECT DETECTION OF IONIZABLE HERBI-CIDES BY ELECTROPHORESIS.

R Purkayastha

Bull Environ Contamination Toxicol 4(4,JUL-AUG):246-255

Aug 1969 RA1270.P35A1

Amiben, Chemical analysis, Chlorinated hydrocarbons, D, 2,4-, Dicamba, Electrophoresis, Herbicides, Methyl-4-chlorophenoxyacetic acid, 2-, Picloram, T, 2,4,5-.

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11711-69

SIMPLE, CHEAP EXPERIMENTAL SPRAYER.

L Kasasian

Pans (pest Articles News Sum) Sect A Insect Contr

15(2):160-162

Jun 1969 423.92 G798

Chemical control (weeds), Herbicides, Spraying equipment, Wced control.

11712-69

CONTROLLED SOIL PERFUSION WITH A MULTI-CHANNEL PERISTACTIC PUMP.

S J L Wright C G Clark Weed Res 9(1):65-68 Mar 1969 79.8 W412

Herbicide residues, Laboratory equipment, Soil analysis.

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ECONOMICS

11713-69

THE COMPREHENSIVE REGULATION OF PESTICIDES.

Anonymous

Nat Agr Chem Ass News Pesticide Rev 27(2):8

Dec 1968 421 AG8

Accident prevention, Agricultural research, Marketing, Regulation (pesticides).

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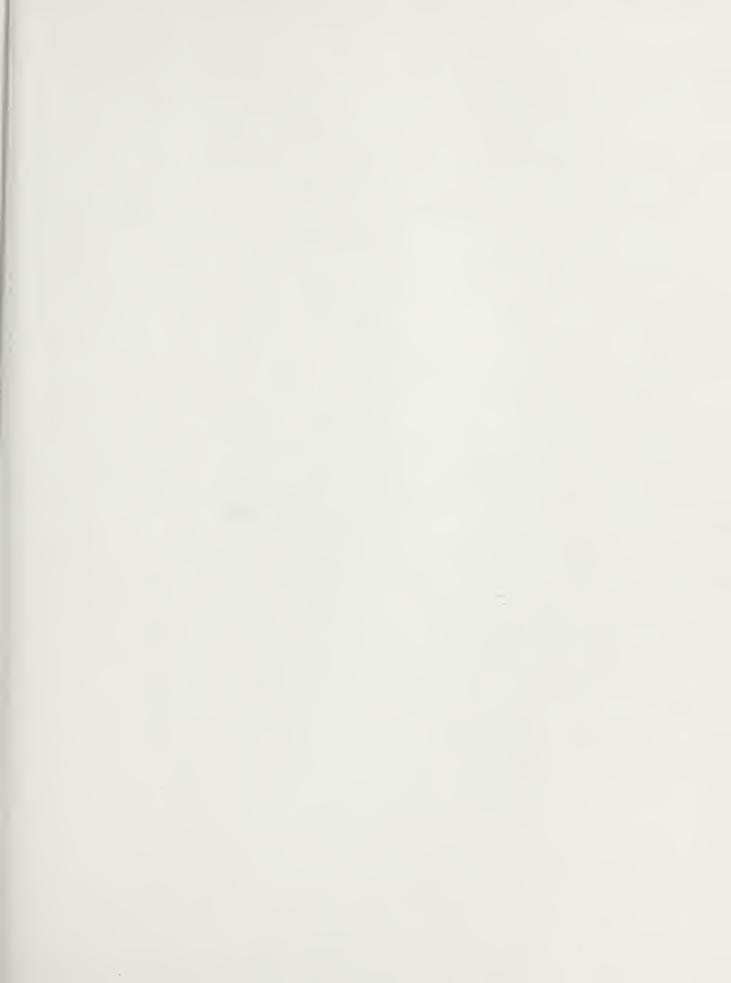
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